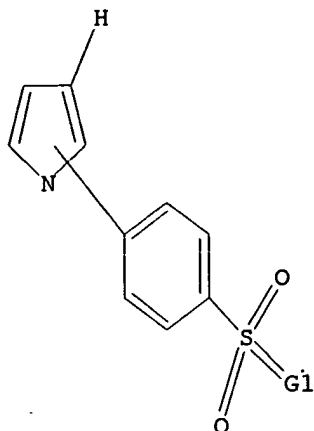


=> d  
L1 HAS NO ANSWERS  
L1 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1  
SAMPLE SEARCH INITIATED 17:36:09 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED. - 6611 TO ITERATE

15.1% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

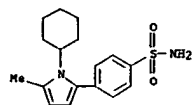
2 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 127352 TO 137088  
PROJECTED ANSWERS: 46 TO 482

L2 2 SEA SSS SAM L1

=> d scan

L2 2 ANSWERS REGISTRY COPYRIGHT 2001 ACS  
IN Benzenesulfonamide, 4-(1-cyclohexyl-5-methyl-1H-pyrrol-2-yl)- (9CI)  
MF C17 H22 N2 O2 S



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 11 ful  
FULL SEARCH INITIATED 17:36:26 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 131408 TO ITERATE

100.0% PROCESSED 131408 ITERATIONS  
SEARCH TIME: 00.00.05

152 ANSWERS

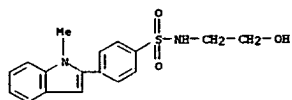
L3 152 SEA SSS FUL L1

=> s 13 and caplus/lc  
17702225 CAPLUS/LC  
L4 150 L3 AND CAPLUS/LC

=> s 13 not 14  
L5 2 L3 NOT L4

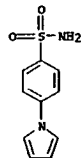
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LS ANSWER 1 OF 2 REGISTRY COPYRIGHT 2001 ACS  
RN 180788-24-3 REGISTRY  
CN Benzenesulfonamide,  
N-(2-hydroxyethyl)-4-(1-methyl-1H-indol-2-yl)-  
(9CI) (CA INDEX NAME)  
MF C18 H20 N2 O3 S  
CI IDS, COM  
SR CA



D1-Me

LS ANSWER 2 OF 2 REGISTRY COPYRIGHT 2001 ACS  
RN 5438-30-2 REGISTRY  
CN Benzenesulfonamide, 4-(1H-pyrrol-1-yl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C10 H10 N2 O2 S  
LC STN Files: BEILSTEIN\*  
(\*File contains numerically searchable property data)



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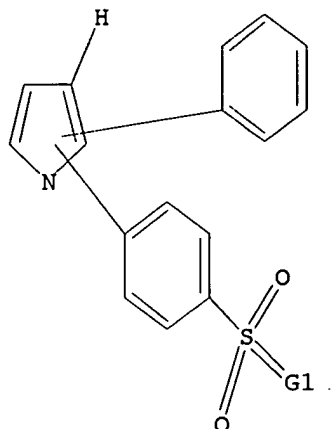
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L6 STRUCTURE UPLOADED

=&gt; d

L6 HAS NO ANSWERS

L6 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.

=&gt; s l6 subset=l3 ful

FULL SUBSET SEARCH INITIATED 17:39:27 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 140 TO ITERATE

100.0% PROCESSED 140 ITERATIONS

93 ANSWERS

SEARCH TIME: 00.00.01

L7 93 SEA SUB=L3 SSS FUL L6

=&gt; s l7 and caplus/lc

17702225 CAPLUS/LC

L8 93 L7 AND CAPLUS/LC

=&gt; fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

177.52

177.67

FILE 'CAPLUS' ENTERED AT 17:39:39 ON 17 APR 2001

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FILE COVERS 1967 - 17 Apr 2001 VOL 134 ISS 17  
FILE LAST UPDATED: 16 Apr 2001 (20010416/ED)

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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

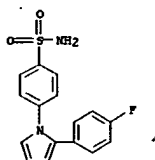
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=> s 17  
L9 15 L7

=> d 1-15 ibib abs hitstr

L9 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 2000:637744 CAPLUS  
 DOCUMENT NUMBER: 134:39080  
 TITLE: A method for including protein flexibility in protein-ligand docking: improving tools for database mining and virtual screening  
 AUTHOR(S): Broughton, H. B.  
 CORPORATE SOURCE: Merck, Sharp & Dohme Neuroscience Research Centre, Essex, UK  
 SOURCE: J. Mol. Graphics Modell. (2000), 18(3), 247-257  
 CODEN: JMGKFI; ISSN: 1093-3263  
 PUBLISHER: Elsevier Science Inc.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Second-generation methods for docking ligands into their biol. receptors, such as FLOG, provide for flexibility of the ligand but not of the receptor. Mol. dynamics based methods, such as free energy perturbation, account for flexibility, solvent effects, etc., but are very time consuming. We combined the use of statistical anal. of conformational samples from short-run protein mol. dynamics with grid-based docking protocols and demonstrated improved performance in two test cases.  
 Our statistical anal. explores the importance of the av. strength of a potential interaction with the biol. target and optionally applies a weighting depending on the variability in the strength of the interaction seen during dynamics simulation. Using these methods, we improved the no. of known dihydrofolate reductase ligands found in the top-ranked 101 of a database of drug-like mols., in searches based on the three-dimensional structure of the protein. These methods are able to match the ability of manual docking to assess likely inactivity on steric grounds and indeed to rank order ligands from a homologous series of cyclooxygenase-2 inhibitors with good correlation to their true activity. Furthermore, these methods reduce the need for human intervention in setting up mol. docking expts.  
 IT 189501-09-5  
 RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); PRP (Properties); BIOL (Biological study); PROC (Process) (method for including protein flexibility in protein-ligand docking -

L9 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 improving tools for database mining and virtual screening)  
 RN 189501-09-5 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



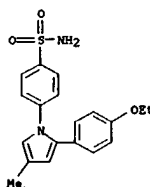
REFERENCE COUNT: 32  
 REFERENCE(S):  
 http://www.rcsb.org/pdb/ (4) Bernstein, F; J Mol Biol, 1977, V112, P535 CAPLUS  
 (5) Bertenshaw, S; Bioorg Med Chem Lett 1995, V5, P2919 CAPLUS  
 (6) Bolin, J; J Biol Chem 1982, V257, P13650  
 CAPLUS (7) Cornell, W; J Am Chem Soc 1995, V117, P5179  
 CAPLUS (9) Goodsell, D; J Mol Recognit 1996, V9, P1  
 CAPLUS ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 2000:456950 CAPLUS  
 DOCUMENT NUMBER: 133:84244  
 TITLE: Method of using a cyclooxygenase-2 inhibitor and an integrin antagonist as a combination therapy in the treatment of neoplasia  
 INVENTOR(S): McKearn, John P.; Gordon, Gary; Cunningham, James J.; Gately, Stephen T.; Koki, Alane T.; Masferrer, Jaime  
 PATENT ASSIGNEE(S): G.D. Searle & Co., USA  
 SOURCE: PCT Int. Appl., 348 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

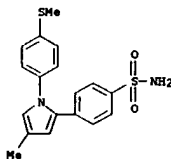
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038786	A2	20000706	WO 1999-US30692	19991222
WO 2000038786	A3	20010308		

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 RW: GH, GN, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 PRIORITY APPLN. INFO.: US 1998-113786 19981223  
 AB Methods are provided to treat or prevent neoplasia disorders in a mammal using a combination of a cyclooxygenase-2 inhibitor, an integrin antagonist and an antineoplastic agent.  
 IT 197904-84-0 197905-01-4  
 RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (cyclooxygenase-2 inhibitor and integrin antagonist in combination for neoplasia treatment)  
 RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide, 4-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



L9 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 2000:456927 CAPLUS  
 DOCUMENT NUMBER: 133:84243  
 TITLE: Method of using a cyclooxygenase-2 inhibitor and one or more antineoplastic agents as a combination therapy in the treatment of neoplasia  
 INVENTOR(S): McKearn, John P.; Gordon, Gary; Cunningham, James J.; Gately, Stephen T.; Koki, Alane T.; Masferrer, Jaime L.  
 PATENT ASSIGNEE(S): G.D. Searle and Co., USA  
 SOURCE: PCT Int. Appl., 236 pp. CODEN: PIXX02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038730	A2	20000706	WO 1999-US30693	19991222
WO 2000038730	A3	20001102		

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PRIORITY APPL. INFO.: US 1998-113786 19981223  
 AB Methods are provided to treat or prevent neoplasia disorders in a mammal using a combination of a cyclooxygenase-2 inhibitor and an antineoplastic agent.  
 IT 197904-84-0 197905-01-4  
 RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (cyclooxygenase-2 inhibitor-antineoplastic agent combination for neoplasia treatment)

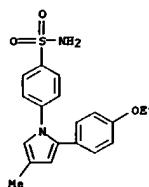
L9 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 2000:456913 CAPLUS  
 DOCUMENT NUMBER: 133:84241  
 TITLE: Combination therapy of radiation and a cyclooxygenase 2 (COX-2) inhibitor for the treatment of neoplasia  
 INVENTOR(S): McKearn, John P.; Masferrer, Jaime L.; Milas, Luka  
 PATENT ASSIGNEE(S): G.D. Searle and Co., USA  
 SOURCE: PCT Int. Appl., 96 pp. CODEN: PIXX02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038716	A1	20000706	WO 1999-US30669	19991222

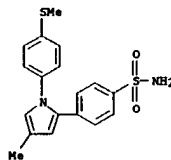
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PRIORITY APPL. INFO.: US 1998-113786 19981223  
 US 1999-385214 19990827  
 AB Methods are provided to treat or prevent neoplasia disorders in a mammal using a combination of radiation therapy and a COX-2 inhibitor.  
 IT 197904-84-0 197904-84-0B, derivs. 197905-01-4  
 197905-01-4B, derivs.  
 RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (COX-2 inhibitor-radiation therapy combination for neoplasia treatment)  
 RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

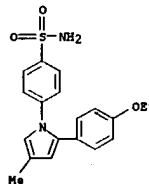
L9 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 RN 197904-84-0 CAPLUS  
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 (CA INDEX NAME)



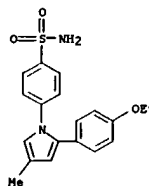
RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-1-[(4-methylthio)phenyl]-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



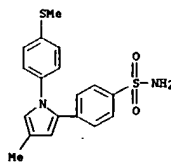
L9 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-84-0 CAPLUS  
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 (CA INDEX NAME)



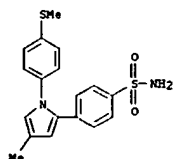
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 CN Benzenesulfonamide, 4-[4-methyl-1-[(4-methylthio)phenyl]-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)





L9 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(4-methyl-1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3  
 REFERENCE(S):  
 (1) Gordon, G; WO 9816227 A 1998 CAPLUS  
 (2) Milas, L; Journal of the National Cancer  
 Institute (Bethesda) 1999, V91(17), P1501 CAPLUS  
 (3) Sankyo Co; EP 0927555 A 1999 CAPLUS

L9 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2001 ACS

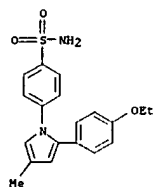
ACCESSION NUMBER: 2000:441655 CAPLUS  
 DOCUMENT NUMBER: 133:68922  
 TITLE: Method of using a cyclooxygenase-2 inhibitor and a matrix metalloproteinase inhibitor as a combination therapy in the treatment of neoplasia  
 INVENTOR(S): McKearn, John P.; Gordon, Gary; Cunningham, James J.; Gately, Stephen T.; Koki, Alane T.; Masferrer, Jaime  
 PATENT ASSIGNEE(S): L. G.D. Searle & Co., USA  
 SOURCE: PCT Int. Appl., 437 pp.  
 CODEN: PIXKD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000037107	A2	20000629	WO 1999-US30776	19991222
WO 2000037107	A3	20010201		

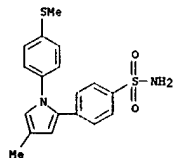
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 RW: GB, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPL. INFO.: US 1998-113786 19981223  
 AB Methods are provided to treat or prevent neoplasia disorders in a mammal using a combination of a cyclooxygenase-2 inhibitor, a matrix metalloproteinase inhibitor and an antineoplastic agent.  
 IT 197904-84-0 197903-01-4  
 RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (cyclooxygenase-2 inhibitor and matrix metalloproteinase inhibitor in combination therapy for neoplasia treatment)  
 RN 197904-84-0 CAPLUS

L9 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(4-methyl-1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl)-  
 (9CI) (CA INDEX NAME)

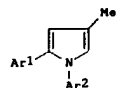


L9 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:181022 CAPLUS  
 DOCUMENT NUMBER: 132:207760  
 TITLE: Preparation of 4-methyl-1,2-diarylpyrroles and their intermediates  
 INVENTOR(S): Noguchi, Yasuo; Saito, Toshinori; Fujimoto, Katsuhiko  
 PATENT ASSIGNEE(S): Takebayashi, Toyonori  
 SOURCE: Sankyo Co., Ltd., Japan  
 CODEN: JROXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
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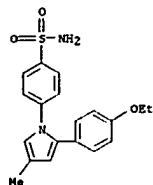
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PRIORITY APPL. INFO.: CASREACT 132:207760; MARPAT 132:207760  
 OTHER SOURCE(S):  
 GI

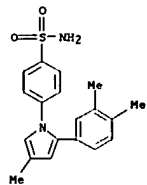


AB Pyrroles I [Ar1, Ar2 = (un)substituted C6-10 aryl], useful as analgesic-antipyretic agents (no data), are prepd. by reaction of Ar1COCH:CHMe (Ar1 = same as I) with MeNO2 in the presence of bases, treatment of Ar1COCH2CHMeCH2NO2 (Ar1 = same as I) with bases, reaction with R1OH (R1 = C1-6 alkyl) and R2OH (R2 = C1-6 alkyl) or HOR1R2OH [R1R2 = C1-4 alkyl-(un)substituted trimethylene], and reaction of Ar1COCH2CHMeCH(OR1) OR2 (Ar1, R1, R2 = same as above) with Ar2NH2 (Ar2 = same as I) under acidic condition.  
 1-(3,4-dimethylphenyl)-2-butan-1-one was reacted with MeNO2 in the presence of DBU under ice cooling for 1 h, treated with NaOMe, and reacted with neopentylglycol in the presence H2SO4 in MeOH at room temp. for 1 h to give 3-(5,5-dimethyl-1,3-dioxan-2-yl)-1-(3,4-dimethylphenyl)butan-1-one, which was reacted with sulfanilamide in PrOH-AcOH mixt. at 100.degree. for 3 h to give 71.3% 4-methyl-2-(3,4-dimethylphenyl)-1-(4-sulfamoylphenyl)pyrrole.  
 IT 197904-84-0P, 4-Methyl-2-(4-ethoxyphenyl)-1-(4-sulfamoylphenyl)pyrrole 197904-85-3P, 4-Methyl-2-(3,4-

L9 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 dimethylphenyl)-1-(4-sulfamoylphenyl)pyrrole 260415-79-0p,  
 4-Methyl-2-(2,5-dimethylphenyl)-1-(4-sulfamoylphenyl)pyrrole  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
 (Preparation)  
 (prepn. of methyl diarylpyrroles by addn. of unsatd. aryl ketones  
 with MeNO<sub>2</sub>, alkoxylation, and cyclization with amines)  
 RN 197904-94-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



RN 197904-95-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

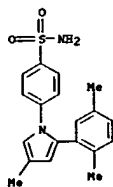


RN 260415-79-0 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,5-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-

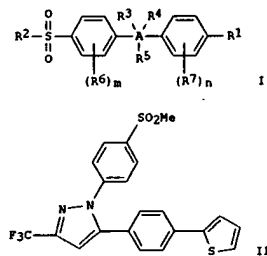
L9 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1999:795808 CAPLUS  
 DOCUMENT NUMBER: 132:35714  
 TITLE: Preparation of heterocyclyl sulfonylbenzene  
 compounds  
 as anti-inflammatory/analgesic agents.  
 INVENTOR(S): Ando, Kazuo; Kato, Tomoki; Kawai, Akiyoshi;  
 Nonomura, Tomomi  
 PATENT ASSIGNEE(S): Pfizer Pharmaceuticals Inc., USA  
 SOURCE: PCT Int. Appl., 236 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9964415	A1	19991216	WO 1999-1B970	19990531
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,				
DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE,				
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,				
MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR,				
TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, BG, BR, CA, CH, CN, CU, CZ,				
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9938414	A1	19991230	AU 1999-38414	19990531
EP 1086097	A1	20010328	EP 1999-921043	19990531
IE, FI				
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT,				
PRIORITY APPLN. INFO.:			WO 1998-1B912	19980611
			WO 1999-1B970	19990531
OTHER SOURCE(S):			MARPAT 132:35714	
GI				

L9 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 (9CI) (CA INDEX NAME)

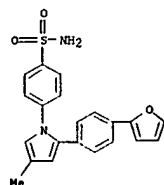


L9 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



AB This invention provides a compd. of formula (I) or its pharmaceutically acceptable salt thereof [wherein A is partially unsatd. or unsatd. five membered heterocyclic, or partially unsatd. or unsatd. five membered carbocyclic, wherein the 4-(sulfonyl)phenyl and the 4-substituted Ph in formula I are attached to ring atoms of Ring A, which are adjacent to each other; R1 is optionally substituted aryl or heteroaryl, with the proviso that when A is pyrazole, R1 is heteroaryl; R2 is C1-4 alkyl, halo-substituted C1-4 alkyl, C1-4 alkylamino, C1-4 dialkylamino or amino; R3, R4 and R5 are independently hydrogen, halo, C1-4 alkyl, halo-substituted C1-4 alkyl or the like; or two of R3, R4 and R5 are taken together with atoms to which they are attached and form a 4-7 membered ring; R6 and R7 are independently hydrogen, halo, C1-4 alkyl, halo-substituted C1-4 alkyl, C1-4 alkoxy, C1-4 alkylthio, C1-4 alkylamino or N,N-di C1-4 alkylamino; and m and n are independently 1, 2, 3 or 4). This invention also provides a pharmaceutical compn. useful for the treatment of a medical condition in which prostaglandins are implicated as pathogens. This invention relates to compd. and pharmaceutical compns. for the treatment of cyclooxygenase mediated diseases. These compds. inhibit the biosynthesis of prostaglandins by intervention of the action of the enzyme cyclooxygenase on arachidonic acid, and are therefore useful

L9 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
in the treatment or alleviation of inflammation and other  
inflammation  
associated disorders, such as arthritis, in mammals (no data). Thus,  
To a  
stirred soln. of 1-[4-(Methylsulfonyl)phenyl]-5-(4-bromophenyl)-3-  
trifluoromethyl-1H-pyrazole (0.27 g) in DMF (8 mL) was added  
3-thiophenboronic acid (0.09 g),  
bis(triphenylphosphine)palladium(II)chlor  
ide (0.05 g) and satd. NaHCO<sub>3</sub> soln. (2 mL) at room temp. under  
nitrogen.  
The mixt. was heated at reflux temp. for 16 h, and cooled down to  
room  
temp. to give, after purifn. by flash chromatog. eluting with Et  
acetate/hexane (1/1),  
1-[4-(Methylsulfonyl)phenyl]-5-[4-(2-thienyl)phenyl]-  
3-trifluoromethyl-1H-pyrazole (II) in 64 % yield.  
IT 252559-49-2P  
RL: BAC (Biological activity or effector, except adverse); SPN  
(Synthetic  
preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
(Preparation); USES (Uses)  
(prepn. of heterocyclyl sulfonylbenzene compds. as cyclooxygenase  
inhibitors, prostaglandin biosynthesis inhibitors,  
anti-inflammatory,  
and analgesic agents)  
RN 252559-49-2 CAPLUS  
CN Benzenesulfonamide,  
4-[2-[4-(2-furanyl)phenyl]-4-methyl-1H-pyrrol-1-yl]-  
(9CI) (CA INDEX NAME)



REFERENCE COUNT: 16  
REFERENCE(S):  
CAPLUS  
(1) Angelini Ricerche SPA; WO 9822442 A 1998  
(3) Bayer AG; DE 2310446 A 1974 CAPLUS  
(4) Berger, L; US 3896145 A 1975 CAPLUS

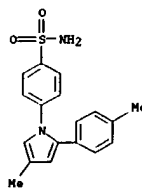
L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1999:440003 CAPLUS  
DOCUMENT NUMBER: 131:82985  
TITLE:  
Use of cyclooxygenase-2 inhibitors for the  
treatment  
and prevention of tumors, tumor-related  
disorders and  
cachexia  
INVENTOR(S): Kurakata, Shinichi; Hanai, Masaharu; Kanai,  
Saori;  
Kimura, Tomio  
PATENT ASSIGNEE(S): Sankey Company Limited, Japan  
SOURCE: Eur. Pat. Appl., 49 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 927555	A1	19990707	EP 1998-310510	19981221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,				
PT, IE, SI, LT, LV, FI, RO				
JP 11246403	A2	19990914	JP 1998-362188	19981221
ZA 9811840	A	19990623	ZA 1998-11840	19981223
NO 9806089	A	19990625	NO 1998-6089	19981223
AU 9898225	A1	19990715	AU 1998-98225	19981224
CN 1230407	A	19991006	CN 1998-111656	19981224
BR 9805544	A	20000328	BR 1998-5544	19981224
JP 11279078	A2	19991012	JP 1999-14059	19990122
JP 2000095685	A2	20000404	JP 1999-176139	19990623
JP 2000159690	A2	20000613	JP 1999-176140	19990623
PRIORITY APPLN. INFO.:				
JP 1998-15306 19980128				
JP 1998-204907 19980721				
JP 1998-269444 19980924				

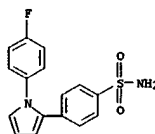
OTHER SOURCE(S): MARPAT 131:82985  
AB Certain cyclooxygenase-2 inhibitors are useful for the treatment and  
prevention of tumors and tumor-related disorders and cachexia.  
IT 197904-30-6 197904-31-7 197904-32-8  
197904-69-1 197904-79-3 197904-81-7  
197904-82-8 197904-83-9 197904-84-0  
197904-86-2 197904-88-4 197904-94-2  
197904-95-3 197904-96-4 197904-99-7  
197905-00-3 197905-01-4 197905-02-5  
197905-03-6 197905-05-8 197905-15-0  
197905-18-3 197905-20-7 197905-47-8  
197905-48-9  
RL: BAC (Biological activity or effector, except adverse); THU  
(Therapeutic use); BIOL (Biological study); USES (Uses)  
(cyclooxygenase-2 inhibitors for treatment and prevention of  
tumors,  
tumor-related disorders, and cachexia)  
RN 197904-30-6 CAPLUS

L9 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(5) Black, C; WO 9619469 A 1996 CAPLUS  
(6) Callaghan, P; J Chem Soc Perkin Trans 1 1975,  
14,  
P1386 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

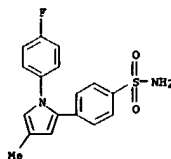
L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-1H-pyrrol-2-yl]-  
(9CI)  
(CA INDEX NAME)



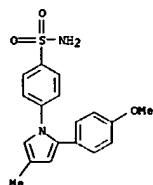
RN 197904-31-7 CAPLUS  
CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA  
INDEX NAME)



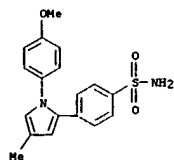
RN 197904-32-8 CAPLUS  
CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI)  
(CA INDEX NAME)



L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 RN 197904-69-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

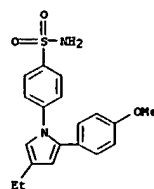


RN 197904-79-3 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI)  
 (CA INDEX NAME)

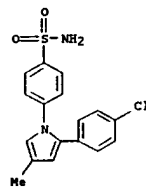


RN 197904-81-7 CAPLUS  
 CN Benzenesulfonamide, 4-[4-ethyl-2-(4-methoxyphenyl)-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

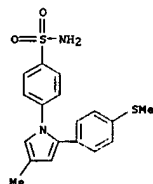


RN 197904-82-8 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-chlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

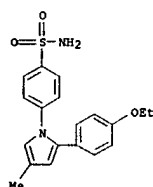


RN 197904-83-9 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-2-[4-(methylthio)phenyl]-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

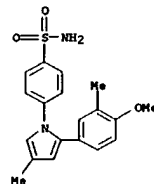


RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

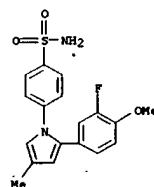


RN 197904-86-2 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methoxy-3-methylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

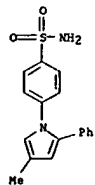


RN 197904-88-4 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

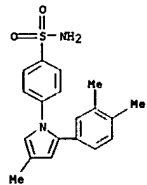


RN 197904-94-2 CAPLUS  
 CN Benzenesulfonamide, 4-(4-methyl-2-phenyl-1H-pyrrol-1-yl)- (9CI) (CA INDEX NAME)

L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

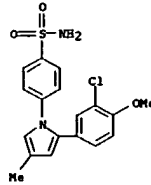


RN 197904-95-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

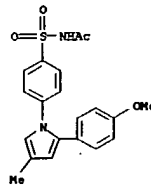


RN 197904-96-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

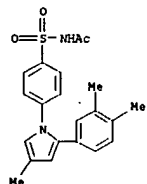


RN 197904-99-7 CAPLUS  
 CN Acetamide, N-[[4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

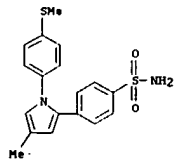


RN 197905-00-3 CAPLUS  
 CN Acetamide, N-[[4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

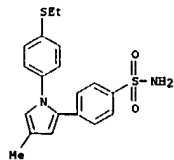
L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[1-[4-(methythio)phenyl]-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



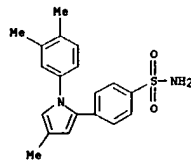
RN 197905-02-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[1-[4-(ethylthio)phenyl]-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



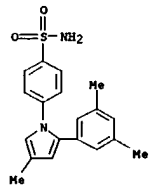
RN 197905-03-6 CAPLUS

L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

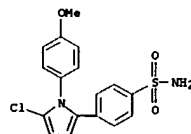
CN Benzenesulfonamide,  
 4-[1-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-05-8 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,5-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

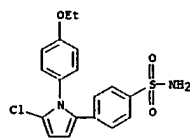


RN 197905-15-0 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

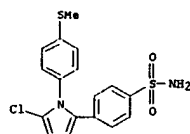


L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-18-3 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-ethoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI)  
 (CA INDEX NAME)



RN 197905-20-7 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-47-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-mercaptophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS

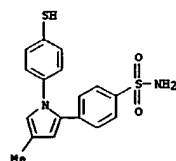
ACCESSION NUMBER: 1999:420882 CAPLUS  
 DOCUMENT NUMBER: 131:82957  
 TITLE: Diphenylpyrrole derivatives as cyclooxygenase-2 inhibitors  
 INVENTOR(S): Kimura, Fumio; Noguchi, Yasuo; Nakao, Akira; Suzuki, Keisuke; Ushiyama, Shigeru; Kawahara, Akihiro; Miyamoto, Masaaki  
 PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 69 pp.  
 CODEN: JROKAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11180871	A2	19990706	JP 1998-269716	19980924
			JP 1997-261376	19970926

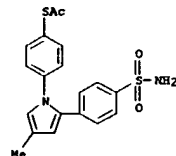
OTHER SOURCE(S): MARPAT 131:82957  
 AB The title compds. selectively inhibit the activity of cyclooxygenase-2, thereby inhibit the prodn. of cytokines and leukotrienes and prevent bone resorption. The invention compds. and their pharmaceutically acceptable salts are also effective as analgesics, anti-inflammatories, and antipyretics. For example, 1-(4-methoxyphenyl)-2-(4-methylsulfonylphenyl)pyrrole was prepd. and tested for its biol. activities.

IT 189501-09-5P 197904-28-2P 197904-30-6P  
 197904-31-7P 197904-32-8P 197904-52-2P  
 197904-68-0P 197904-69-1P 197904-74-8P  
 197904-75-9P 197904-76-0P 197904-77-1P  
 197904-78-2P 197904-79-3P 197904-80-6P  
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 197904-84-0P 197904-85-1P 197904-86-2P  
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 197905-35-4P 197905-36-5P 197905-37-6P  
 197905-38-7P 197905-39-8P 197905-40-1P  
 197905-41-2P 197905-44-5P 197905-45-6P  
 197905-46-7P 197905-47-8P 197905-48-9P  
 229491-84-3P 229491-85-4P 229491-87-6P

L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-48-9 CAPLUS  
 CN Ethanethioic acid, 5-[4-[2-[4-(aminosulfonyl)phenyl]-4-methyl-1H-pyrrol-1-yl]phenyl] ester (9CI) (CA INDEX NAME)

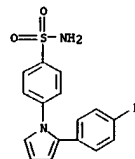


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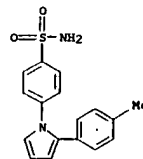
- (1) Futaki, N; PROSTAGLANDINS 1994, V47, P55
  - (2) G D Searle & Co; WO 9806708 A 1998 CAPLUS
  - (3) Japan Tobacco Inc; JP 09052882 A CAPLUS
  - (4) Japan Tobacco Inc; EP 0745596 A 1996 CAPLUS
  - (5) Li, J; JOURNAL OF MEDICINAL CHEMISTRY 1995, V38 (22), P4570 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

229491-92-3P 229491-93-4P 229491-94-5P  
 RL: BAC (Biological activity or effector, except adverse); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (prepn. of pyrrole derivs. as selective inhibitors for cyclooxygenase-2)  
 RN 189501-09-5 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

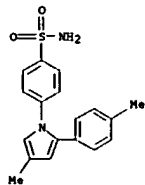


RN 197904-28-2 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methylphenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

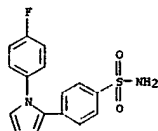


RN 197904-30-6 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-2-(4-methylphenyl)-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

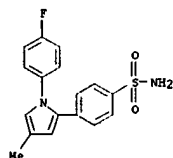
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-31-7 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

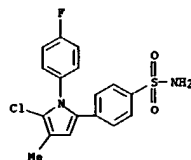


RN 197904-32-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

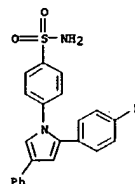


L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197904-52-2 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

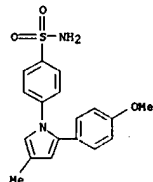


RN 197904-68-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-4-phenyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

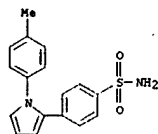


RN 197904-69-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

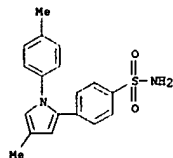
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-74-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methylphenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

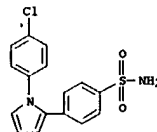


RN 197904-75-9 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-1-(4-methylphenyl)-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

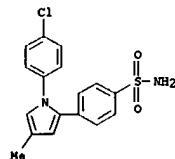


RN 197904-76-0 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

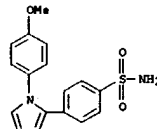
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-77-1 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

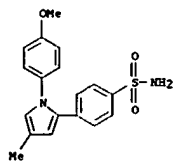


RN 197904-78-2 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

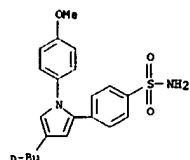


RN 197904-79-3 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

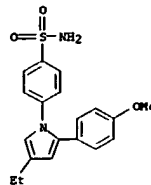


RN 197904-80-6 CAPLUS  
 CN Benzenesulfonamide, 4-[(4-butyl-1-(4-methoxyphenyl)-1H-pyrrol-2-yl)-  
 (9CI)  
 (CA INDEX NAME)

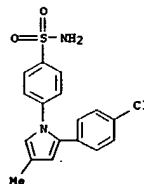


RN 197904-81-7 CAPLUS  
 CN Benzenesulfonamide, 4-[(4-ethyl-2-(4-methoxyphenyl)-1H-pyrrol-1-yl)-  
 (9CI)  
 (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

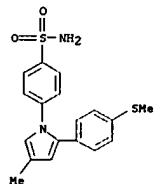


RN 197904-82-8 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-chlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

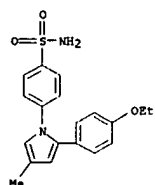


RN 197904-83-9 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-[4-(methylthio)phenyl]-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

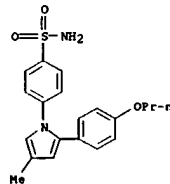


RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

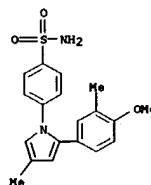


RN 197904-85-1 CAPLUS  
 CN Benzenesulfonamide, 4-[(4-methyl-2-(4-propoxyphenyl)-1H-pyrrol-1-yl)-  
 (9CI)  
 (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



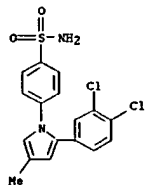
RN 197904-86-2 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(4-methoxy-3-methylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



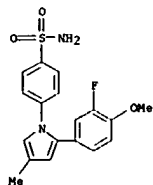
RN 197904-87-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

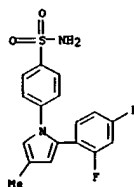


RN 197904-88-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

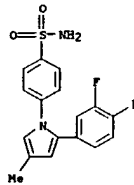


RN 197904-89-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-difluorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

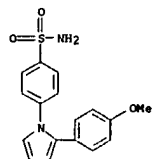


RN 197904-91-9 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-difluorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

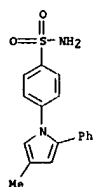


RN 197904-93-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

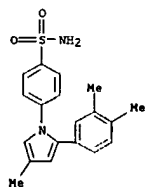
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-94-2 CAPLUS  
 CN Benzenesulfonamide, 4-(4-methyl-2-phenyl-1H-pyrrol-1-yl)- (9CI) (CA INDEX NAME)

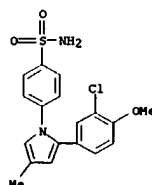


RN 197904-95-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

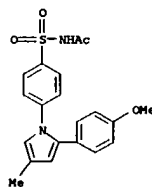


L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197904-96-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

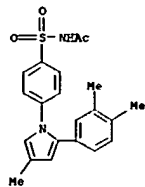


RN 197904-99-7 CAPLUS  
 CN Acetamide, N-[4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]phenylsulfonyl]- (9CI) (CA INDEX NAME)

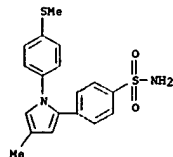


RN 197905-00-3 CAPLUS  
 CN Acetamide, N-[4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]phenylsulfonyl]- (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

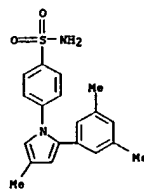


RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

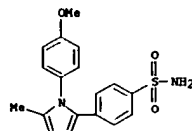


RN 197905-05-8 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,5-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

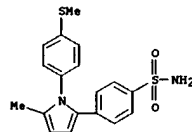
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-07-0 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-5-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

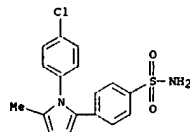


RN 197905-08-1 CAPLUS  
 CN Benzenesulfonamide,  
 4-[5-methyl-1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

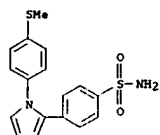


RN 197905-09-2 CAPLUS

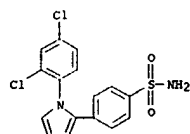
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-5-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-10-5 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

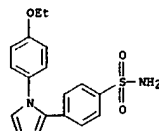


RN 197905-11-6 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(2,4-dichlorophenyl)-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

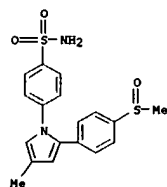


RN 197905-12-7 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-ethoxyphenyl)-1H-pyrrol-2-yl]- (9CI) (CA  
 INDEX NAME)

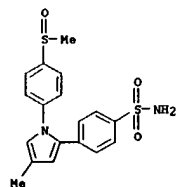
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-13-8 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-(4-(methylsulfinyl)phenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

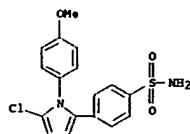


RN 197905-14-9 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-(4-(methylsulfinyl)phenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

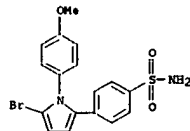


RN 197905-15-0 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI)

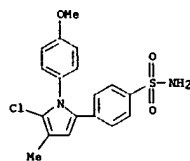
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(CA INDEX NAME)



RN 197905-16-1 CAPLUS  
CN Benzenesulfonamide, 4-[5-bromo-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

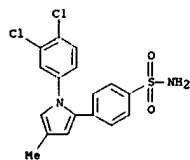


RN 197905-17-2 CAPLUS  
CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

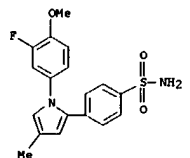


RN 197905-18-3 CAPLUS

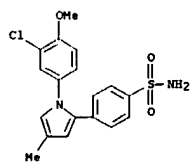
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
CN Benzenesulfonamide, 4-[1-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)



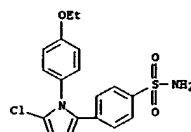
RN 197905-26-3 CAPLUS  
CN Benzenesulfonamide, 4-[1-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)



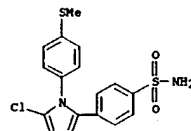
RN 197905-27-4 CAPLUS  
CN Benzenesulfonamide, 4-[1-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)



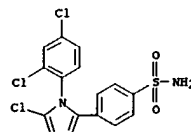
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
CN Benzenesulfonamide, 4-[5-chloro-1-(4-ethoxyphenyl)-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)



RN 197905-20-7 CAPLUS  
CN Benzenesulfonamide, 4-[5-chloro-1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)



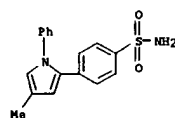
RN 197905-21-8 CAPLUS  
CN Benzenesulfonamide, 4-[5-chloro-1-(2,4-dichlorophenyl)-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)



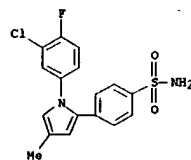
RN 197905-23-0 CAPLUS

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-28-5 CAPLUS  
CN Benzenesulfonamide, 4-(4-methyl-1-phenyl-1H-pyrrol-2-yl)- (9CI) (CA INDEX NAME)

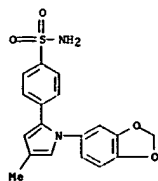


RN 197905-29-6 CAPLUS  
CN Benzenesulfonamide, 4-[1-(3-chloro-4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

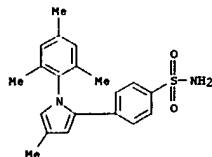


RN 197905-30-9 CAPLUS  
CN Benzenesulfonamide, 4-[1-(1,3-benzodioxol-5-yl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

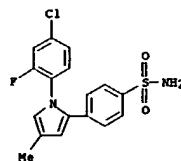


RN 197905-31-0 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(4-methyl-1-(2,4,6-trimethylphenyl)-1H-pyrrol-2-yl)]-  
 (9CI) (CA INDEX NAME)

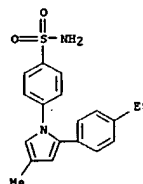


RN 197905-32-1 CAPLUS  
 CN Benzenesulfonamide,  
 4-[1-(4-chloro-2-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

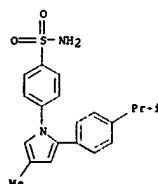


RN 197905-33-2 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

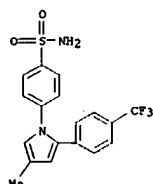


RN 197905-34-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-[4-(1-methylethyl)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

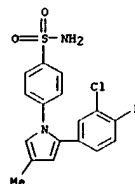


RN 197905-35-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-[4-(trifluoromethyl)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

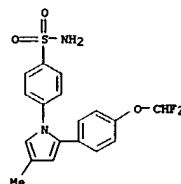


RN 197905-36-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-chloro-4-fluorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

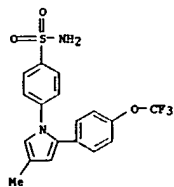


RN 197905-37-6 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-[4-(difluoromethoxy)phenyl]-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

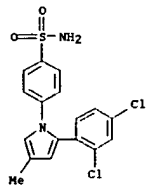


RN 197905-38-7 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-[4-(trifluoromethoxy)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

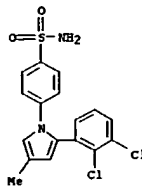


RN 197905-39-8 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

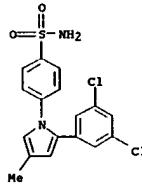


RN 197905-40-1 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,3-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

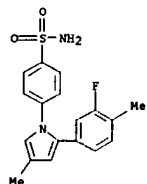


RN 197905-41-2 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,5-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

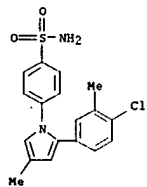


RN 197905-44-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-fluoro-4-methylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

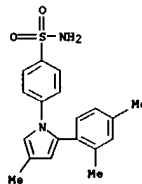


RN 197905-45-6 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(4-chloro-3-methylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

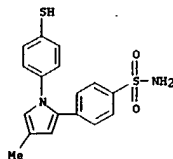


RN 197905-46-7 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

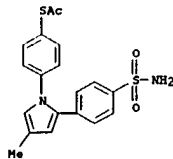
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-47-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-mercaptophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

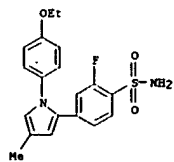


RN 197905-48-9 CAPLUS  
 CN Ethanesulfonic acid,  
 S-[4-[2-(4-aminosulfonylphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl] ester (9CI) (CA INDEX NAME)

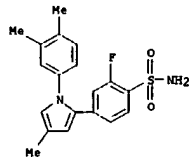


RN 229491-84-3 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-2-

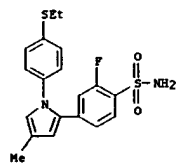
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
fluoro- (9CI) (CA INDEX NAME)



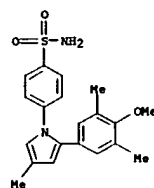
RN 229491-85-4 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-2-yl]-2-  
fluoro- (9CI) (CA INDEX NAME)



RN 229491-87-6 CAPLUS  
CN Benzenesulfonamide,  
4-[1-[4-(ethylthio)phenyl]-4-methyl-1H-pyrrol-2-yl]-2-  
fluoro- (9CI) (CA INDEX NAME)

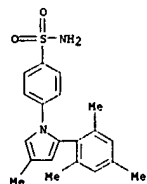


RN 229491-92-3 CAPLUS  
CN Benzenesulfonamide,  
4-[2-(4-methoxy-3,5-dimethylphenyl)-4-methyl-1H-pyrrol-  
1-yl]- (9CI) (CA INDEX NAME)

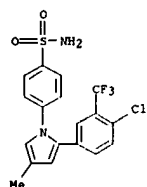


RN 229491-93-4 CAPLUS  
CN Benzenesulfonamide,  
4-[4-methyl-2-(2,4,6-trimethylphenyl)-1H-pyrrol-1-yl]-  
(9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

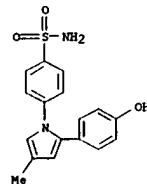


RN 229491-94-5 CAPLUS  
CN Benzenesulfonamide,  
4-[2-[4-chloro-3-(trifluoromethyl)phenyl]-4-methyl-1H-  
pyrrol-1-yl]- (9CI) (CA INDEX NAME)



RN 229491-96-7 CAPLUS  
CN Benzenesulfonamide, 4-[2-(4-hydroxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
(9CI)  
(CA INDEX NAME)

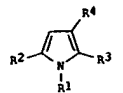
L9 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



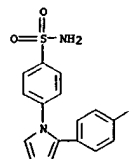
L9 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1998:402414 CAPLUS  
 DOCUMENT NUMBER: 129:81660  
 TITLE: Preparation of substituted pyrroles for the treatment of inflammation  
 INVENTOR(S): Khanna, Ish K.; Veier, Richard M.; Yu, Yi  
 PATENT ASSIGNEE(S): G.D. Searle & Co., USA; Khanna, Ish K.; Veier, Richard  
 SOURCE: M.; Yu, Yi  
 PCT Int. Appl., 99 pp.  
 CODEN: PIXX02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9825896	A1	19980618	WO 1997-US22488	19971209
DE,	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,			
KR,	DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP,			
NZ,	KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO,			
UG,	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA,			
FI,	US, UZ, VN, YU, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM			
CH,	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES,			
	FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,			
	CA, GN, ML, MR, NE, SN, TD, TG			
AU 9853776	A1	19980703	AU 1998-53776	19971209
US 5935990	A	19990810	US 1997-987356	19971209
EP 946507	A1	19991006	EP 1997-950891	19971209
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT,			
IE, FI				
PRIORITY APPLN. INFO.:			US 1996-32688	19961210
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OTHER SOURCE(S):	MARPAT 129:81660			
G1				

L9 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

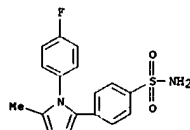


AB The title compds. [I; R1, R2 = (un)substituted aryl, cycloalkyl, cycloalkenyl, heterocyclyl; R3 = H, halo, Me, alkoxy, carbonylalkyl; R4 = H, halo, alkyl, etc.], useful in treating inflammation, arthritis, pain and fever, were prepd. Thus, reaction of 1-(4-methylsulfonylphenyl)-1,4-pentanedione (prepn. described) with 4-fluoroniline in the presence of p-TsOH in PhMe afforded 79% I [R1 = 4-FC6H4; R2 = 4-(MeSO2)C6H4; R3 = Me; R4 = H] which showed IC50 of < 0.1 .mu.M against COX-2 and IC50 of > 100 .mu.M against COX-1. Compds. of particular interest are pyrroles I, wherein at least one of R1 and R2 is Ph substituted with methylsulfonyl or aminosulfonyl.  
 IT 189501-09-5P 209167-35-1P  
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of substituted pyrroles for the treatment of inflammation)  
 RN 189501-09-5 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



RN 209167-35-1 CAPLUS

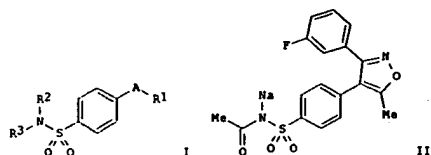
L9 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-5-methyl-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)



L9 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1997:696748 CAPLUS  
 DOCUMENT NUMBER: 127:358861  
 TITLE: Substituted benzenesulfonamide derivatives as prodrugs of COX-2 inhibitors  
 INVENTOR(S): Talley, John J.; Malecha, James W.; Bertenshaw, Stephen; Graneto, Matthew J.; Carter, Jeffery S.; Li, Jinglin; Nagarajan, Srinivasan; Brown, David L.; et al.  
 PATENT ASSIGNEE(S): G.D. Searle & Co., USA; Talley, John J.; Malecha, James W.; Bertenshaw, Stephen; Graneto, Matthew J.; Carter, Jeffery S.; Li, Jinglin  
 SOURCE: PCT Int. Appl., 184 pp.  
 CODEN: PIXX02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

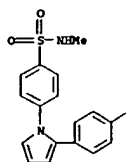
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9738986	A1	19971023	WO 1997-US5497	19970411
DE,	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,			
KZ,	DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR,			
PL,	LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,			
UZ,	PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US,			
	VN, YU, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM			
GB,	RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR,			
	GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CH, GA,			
GN,				
	ML, MR, NE, SN, TD, TG			
CA 2249009	AA	19971023	CA 1997-2249009	19970411
AU 9727227	A1	19971107	AU 1997-27227	19970411
EP 892791	A1	19990127	EP 1997-921092	19970411
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT,			
IE, FI				
CN 1216043	A	19990505	CN 1997-193747	19970411
BR 9708574	A	19990803	BR 1997-8574	19970411
JP 2000509029	T2	20000718	JP 1997-537139	19970411
US 5932598	A	19990803	US 1998-5610	19980112
NO 9804727	A	19981214	NO 1998-4727	19981009
LT 4586	B	19991227	LT 1998-142	19981009
LV 12239	B	19990820	LV 1998-215	19981012
PRIORITY APPLN. INFO.:			US 1996-631514	19960412
			WO 1997-US5497	19970411
OTHER SOURCE(S):	MARPAT 127:358861			
G1				

L9 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



AB Prodrugs of COX-2 inhibitors, of formula I or their pharmaceutically acceptable salts, are useful in treating inflammation and inflammation-related disorders [wherein A = (un)substituted partially unsatd. heterocyclyl, heteroaryl, cycloalkenyl or aryl; R1 = (un)substituted heterocyclyl, cycloalkyl, cycloalkenyl, or aryl; R2 = H, alkoxycarbonylalkyl; R3 = alkyl, carboxyalkyl, acyl, alkoxycarbonyl, heteroarylcarbonyl, alkoxycarbonylalkylcarbonyl, alkoxycarbonylcarbonyl, amino acid residue, or alkylcarbamylaminoalkylcarbonyl; provided A .noteq. tetrazolium or pyridinium, and A .noteq. indanone when R3 = alkyl or carboxyalkyl]. Prepsns. of over 80 compds. are described. For instance, 4-[5-methyl-3-(3-fluorophenyl)isoxazol-4-yl]benzenesulfonamide underwent N-acetylation with Ac2O, Et3N, and DMAP in THF (81%), and salification with NaOH in EtOH (97%), to give title salt II. At 30 mg/kg orally in the rat paw edema test, II gave 65% inhibition. Analgesic activity in rats, and a metab. assay with 59 liver fractions, are also described for 3 selected compds.

IT 189501-10-89  
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of substituted benzenesulfonamide derivs. as prodrugs of COX-2 inhibitors)  
 RN 189501-10-8 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]-N-methyl- (9CI)

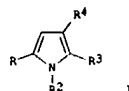
L9 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1997:678926 CAPLUS  
 DOCUMENT NUMBER: 127:331392  
 TITLE: Preparation of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors  
 INVENTOR(S): Kimura, Tomio; Noguchi, Yasuo; Nakao, Akira; Suzuki, Keisuke; Ushiyama, Shigeru; Kawara, Akihiro; Miyamoto, Masaaki  
 PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 140 pp. CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 799823	A1	19971008	EP 1997-302245	19970402
PT, R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,				
IE, FI				
US 5908858	A	19990601	US 1997-824775	19970326
AU 9716653	A1	19971009	AU 1997-16653	19970402
AU 710380	B2	19990916		
CA 2201812	AA	19971005	CA 1997-2201812	19970404
NO 9701564	A	19971006	NO 1997-1564	19970404
JP 09323971	A2	19971216	JP 1997-86889	19970404
JP 3034819	B2	20000417		
RU 2125044	C1	19990120	RU 1997-105191	19970404
CN 1168372	A	19971224	CN 1997-113404	19970405
			JP 1996-83562	19960405

PRIORITY APPLN. INFO.:  
 OTHER SOURCE(S): MARPAT 127:331392  
 GI



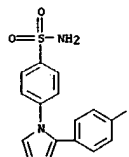
AB Title compds. [e.g., I; R = ZSO2R1; R1 = alkyl or NHRa; Ra = H, alkanoyl, alkoxycarbonyl, etc.; R2 = (un)substituted Ph; R3 = H, halo, (un)substituted alkyl; R4 = H, (un)substituted alkyl, aryl(alkyl), etc.; Z = (un)substituted 1,4-phenylene] were prepd. Thus, 4-(MeO)C6H4NH2 was condensed with 4-(OHC)C6H4SO2Me and the product treated with Me3SiCN/ZnCl2

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 to give 4-(MeO)C6H4NHCH(CN)C6H4(SO2Me)-4 which was cyclocondensed with CH2:CHCHO to give I [R = C6H4(SO2Me)-4, R2 = C6H4(OMe)-4, R3 = R4 = H].

Data for biol. activity of title compds. were given.

IT 189501-09-58 197904-27-1P 197904-28-2P  
 197904-30-6P 197904-31-7P 197904-32-8P  
 197904-52-2P 197904-68-0P 197904-69-1P  
 197904-74-8P 197904-75-9P 197904-76-0P  
 197904-77-1P 197904-78-2P 197904-79-3P  
 197904-80-6P 197904-81-7P 197904-82-8P  
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 197904-86-2P 197904-87-3P 197904-88-4P  
 197904-89-5P 197904-91-9P 197904-92-0P  
 197904-93-1P 197904-94-2P 197904-95-3P  
 197904-96-4P 197904-98-6P 197904-99-7P  
 197905-00-3P 197905-01-4P 197905-02-5P  
 197905-03-6P 197905-05-8P 197905-07-0P  
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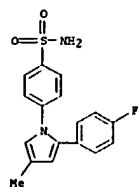
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors)  
 RN 189501-09-5 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



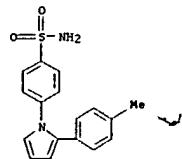
RN 197904-27-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)



L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(CA INDEX NAME)

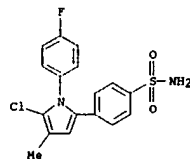


RN 197904-28-2 CAPLUS  
CN Benzenesulfonamide, 4-[2-(4-methylphenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

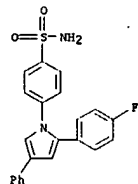


RN 197904-30-6 CAPLUS  
CN Benzenesulfonamide, 4-[4-methyl-2-(4-methylphenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
RN 197904-52-2 CAPLUS  
CN Benzenesulfonamide, 4-[5-chloro-1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

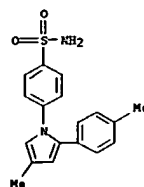


RN 197904-68-0 CAPLUS  
CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-4-phenyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

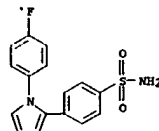


RN 197904-69-1 CAPLUS  
CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-4-phenyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

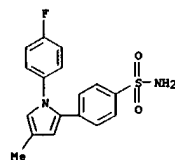
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



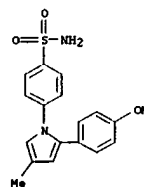
RN 197904-31-7 CAPLUS  
CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



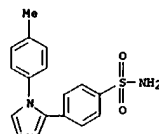
RN 197904-32-8 CAPLUS  
CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



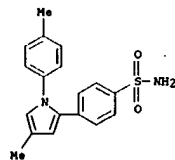
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-74-8 CAPLUS  
CN Benzenesulfonamide, 4-[1-(4-methylphenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

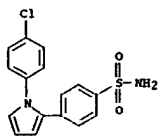


RN 197904-75-9 CAPLUS  
CN Benzenesulfonamide, 4-[4-methyl-1-(4-methylphenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

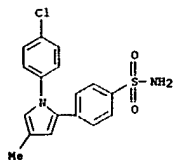


RN 197904-76-0 CAPLUS  
CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

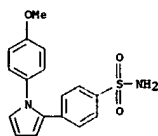
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-77-1 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI)  
 (CA INDEX NAME)

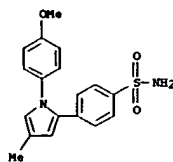


RN 197904-78-2 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

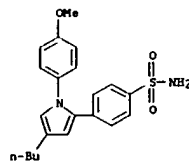


RN 197904-79-3 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

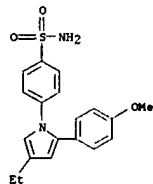


RN 197904-80-6 CAPLUS  
 CN Benzenesulfonamide, 4-[4-butyl-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI)  
 (CA INDEX NAME)

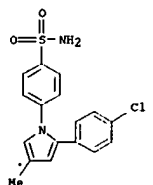


RN 197904-81-7 CAPLUS  
 CN Benzenesulfonamide, 4-[4-ethyl-2-(4-methoxyphenyl)-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

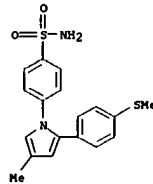


RN 197904-82-8 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-chlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

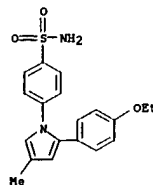


RN 197904-83-9 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-2-(4-methylthio)phenyl]-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

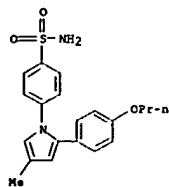


RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

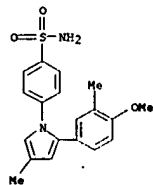


RN 197904-85-1 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-2-(4-propoxyphenyl)-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

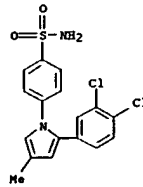


RN 197904-86-2 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(4-methoxy-3-methylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

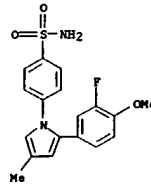


RN 197904-87-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

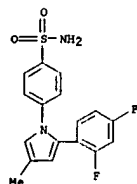


RN 197904-88-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

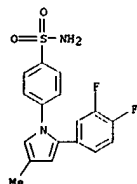


RN 197904-89-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-difluorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

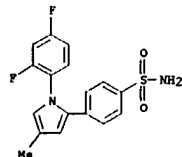
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



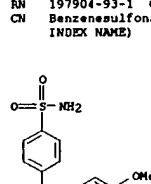
RN 197904-91-9 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-difluorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



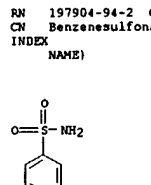
RN 197904-92-0 CAPLUS  
 CN Benzenesulfonamide,  
 4-[1-(2,4-difluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



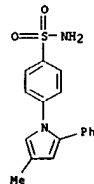
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-93-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

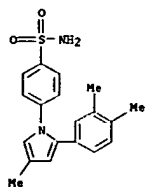


RN 197904-94-2 CAPLUS  
 CN Benzenesulfonamide, 4-(4-methyl-2-phenyl-1H-pyrrol-1-yl)- (9CI) (CA INDEX NAME)

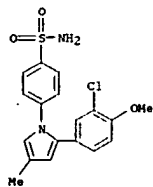


RN 197904-95-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

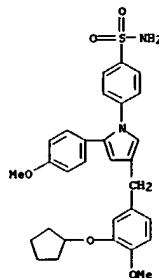


RN 197904-96-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-([2-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl)sulfonyl- (9CI) (CA INDEX NAME)

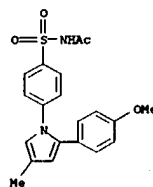


RN 197904-98-6 CAPLUS  
 CN Benzenesulfonamide,  
 4-([4-([3-(cyclopentylloxy)-4-methoxyphenyl]methyl)-2-(4-methoxyphenyl)-1H-pyrrol-1-yl]phenyl)sulfonyl- (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

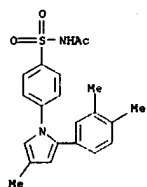


RN 197904-99-7 CAPLUS  
 CN Acetamide, N-([4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl]sulfonyl)- (9CI) (CA INDEX NAME)

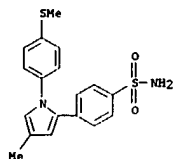


RN 197905-00-3 CAPLUS  
 CN Acetamide, N-([4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl]sulfonyl)- (9CI) (CA INDEX NAME)

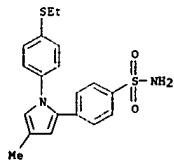
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-([4-methyl-1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]phenyl)sulfonyl- (9CI) (CA INDEX NAME)



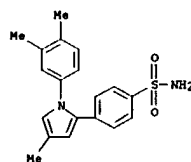
RN 197905-02-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[1-[4-(ethylthio)phenyl]-4-methyl-1H-pyrrol-2-yl]phenyl- (9CI) (CA INDEX NAME)



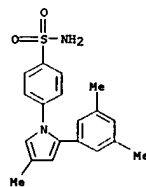
RN 197905-03-6 CAPLUS

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

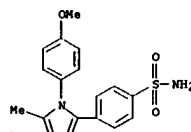
CN Benzenesulfonamide,  
 4-[1-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-2-yl]phenyl- (9CI) (CA INDEX NAME)



RN 197905-05-8 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,5-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl- (9CI) (CA INDEX NAME)

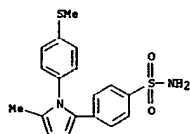


RN 197905-07-0 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-5-methyl-1H-pyrrol-2-yl]phenyl- (9CI) (CA INDEX NAME)

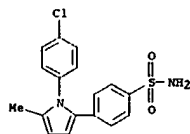


L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

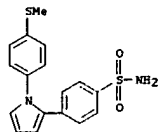
RN 197905-08-1 CAPLUS  
 CN Benzenesulfonamide, 4-[5-methyl-1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-09-2 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-5-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

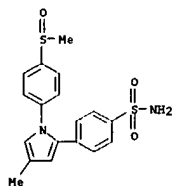


RN 197905-10-5 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

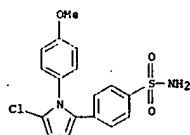


L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-14-9 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-1-(4-(methylsulfinyl)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



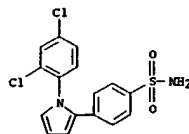
RN 197905-15-0 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



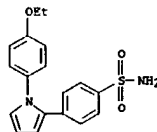
RN 197905-16-1 CAPLUS

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-11-6 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(2,4-dichlorophenyl)-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

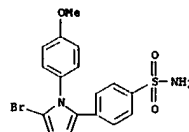


RN 197905-12-7 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-ethoxyphenyl)-1H-pyrrol-2-yl]- (9CI) (CA  
 INDEX NAME)

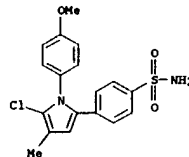


RN 197905-13-8 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-2-(4-(methylsulfinyl)phenyl)-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

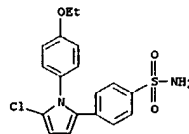
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-[5-bromo-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-17-2 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

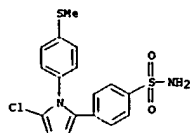


RN 197905-18-3 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-ethoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

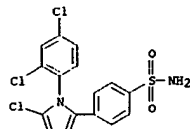


RN 197905-20-7 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-

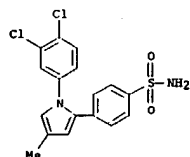
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(9CI) (CA INDEX NAME)



RN 197905-21-8 CAPLUS  
CN Benzenesulfonamide,  
4-[5-chloro-1-(2,4-dichlorophenyl)-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

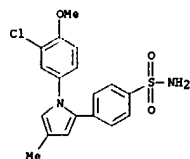


RN 197905-23-0 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

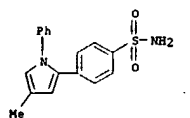


RN 197905-24-1 CAPLUS

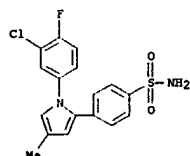
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-28-5 CAPLUS  
CN Benzenesulfonamide, 4-(4-methyl-1-phenyl-1H-pyrrol-2-yl)- (9CI) (CA INDEX NAME)

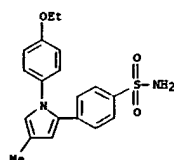


RN 197905-29-6 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(3-chloro-4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

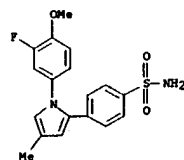


RN 197905-30-9 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(1,3-benzodioxol-5-yl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
CN Benzenesulfonamide, 4-[1-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

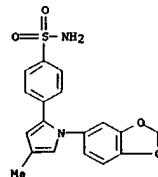


RN 197905-26-3 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

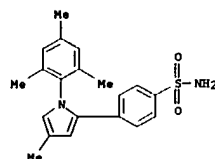


RN 197905-27-4 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

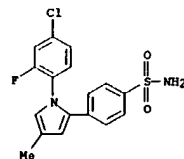
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-31-0 CAPLUS  
CN Benzenesulfonamide,  
4-[4-methyl-1-(2,4,6-trimethylphenyl)-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

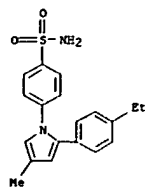


RN 197905-32-1 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(4-chloro-2-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

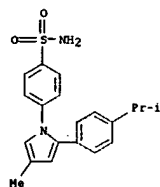


RN 197905-33-2 CAPLUS  
CN Benzenesulfonamide, 4-[2-(4-ethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
(9CI)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(CA INDEX NAME)

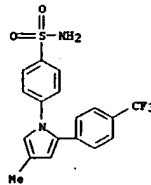


RN 197905-34-3 CAPLUS  
CN Benzenesulfonamide,  
4-[(4-methyl-2-[(4-(1-methylethyl)phenyl)-1H-pyrrol-1-yl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

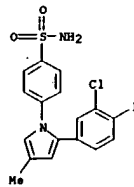


RN 197905-35-4 CAPLUS  
CN Benzenesulfonamide,  
4-[(4-methyl-2-[(4-(1-methylethyl)phenyl)-1H-pyrrol-1-yl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

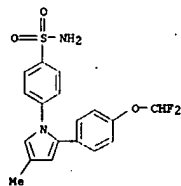


RN 197905-36-5 CAPLUS  
CN Benzenesulfonamide,  
4-[(4-methyl-2-[(4-(1-methylethyl)phenyl)-1H-pyrrol-1-yl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

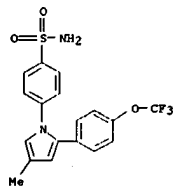


RN 197905-37-6 CAPLUS  
CN Benzenesulfonamide,  
4-[(4-methyl-2-[(4-(1-methylethyl)phenyl)-1H-pyrrol-1-yl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

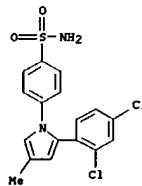


RN 197905-38-7 CAPLUS  
CN Benzenesulfonamide,  
4-[(4-methyl-2-[(4-(1-methylethyl)phenyl)-1H-pyrrol-1-yl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

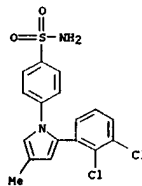


RN 197905-39-8 CAPLUS  
CN Benzenesulfonamide,  
4-[(4-methyl-2-[(4-(1-methylethyl)phenyl)-1H-pyrrol-1-yl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

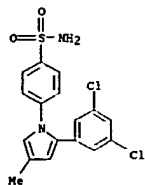


RN 197905-40-1 CAPLUS  
CN Benzenesulfonamide,  
4-[(4-methyl-2-[(4-(1-methylethyl)phenyl)-1H-pyrrol-1-yl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

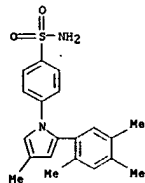


RN 197905-41-2 CAPLUS  
CN Benzenesulfonamide,  
4-[(4-methyl-2-[(4-(1-methylethyl)phenyl)-1H-pyrrol-1-yl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

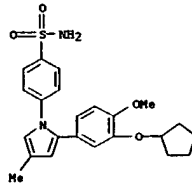


RN 197905-42-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(4-methyl-2-(2,4,5-trimethylphenyl)-1H-pyrrol-1-yl)]-  
 (9CI) (CA INDEX NAME)

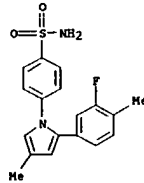


RN 197905-43-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-[1-(cyclopentyl)oxy]-4-methoxyphenyl]-4-methyl-1H-  
 pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

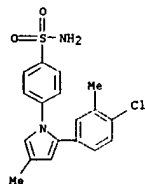


RN 197905-44-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-fluoro-4-methylphenyl)-4-methyl-1H-pyrrol-1-  
 yl]- (9CI) (CA INDEX NAME)

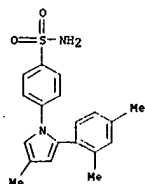


RN 197905-45-6 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(4-chloro-3-methylphenyl)-4-methyl-1H-pyrrol-1-  
 yl]- (9CI) (CA INDEX NAME)

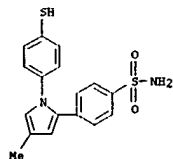
L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-46-7 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

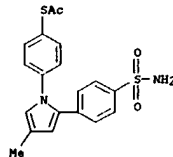


RN 197905-47-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-mercaptophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

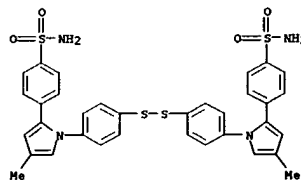


L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-48-9 CAPLUS  
 CN Ethanethioic acid,  
 S-[4-[2-[4-(aminosulfonyl)phenyl]-4-methyl-1H-pyrrol-1-  
 yl]phenyl] ester (9CI) (CA INDEX NAME)

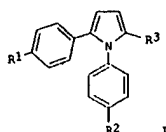


IT 197906-24-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors)  
 RN 197906-24-4 CAPLUS  
 CN Benzenesulfonamide,  
 4,4'-[dithiobis[4,1-phenylene(4-methyl-1H-pyrrole-1,2-  
 diyl)]]bis- (9CI) (CA INDEX NAME)



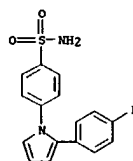


L9 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1997:309988 CAPLUS  
 DOCUMENT NUMBER: 126:338393  
 TITLE: 1,2-Diarylpyrroles as potent and selective  
 inhibitors of cyclooxygenase-2  
 AUTHOR(S): Khanna, Ish K.; Weier, Richard M.; Yu, Yi;  
 Collins, Paul W.; Miyashiro, Julie M.; Koboldt, Carol M.;  
 Veenhuizen, Amy W.; Currie, Jerry L.; Seibert,  
 Karen; Isakson, Peter C.  
 CORPORATE SOURCE: Discovery Medicinal Chemistry and Inflammatory  
 Disease Research, Searle Research and Development,  
 Skokie, IL, 60077, USA  
 SOURCE: J. Med. Chem. (1997), 40(11), 1619-1633  
 CODEN: JMCNAR ISSN: 0022-2623  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



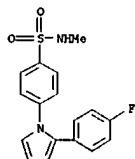
AB Series of 1,2-diarylpyrroles has been synthesized and found to contain very potent and selective inhibitors of the human cyclooxygenase-2 (COX-2) enzyme. The paper describes short and practical syntheses of the target mols. utilizing the Paal-Knorr reaction. Electrophilic substitution on 1 proceeds in a regioselective fashion, and the method was used to generate a no. of tetrasubstituted pyrroles. Detailed SAR on the series has been studied by modifications of the aryl rings and the substituents in the pyrrole ring. Diarylpyrrole I (R1 = MeO2S, R2 = F, R3 = Me) is a very

L9 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 potent (COX-2, IC50 = 60 nM) and selective (COX-1/COX-2 = >1700) inhibitor whereas the isomeric I (R1 = F, R2 = MeO2S, R3 = Me) is completely inactive against COX-2. Modifications of the substituents on the fluorophenyl ring in I yields very potent inhibitors of COX-2 (IC50 = 40-80 nM) with excellent selectivity (1200 to >2500) vs. COX-1. An analog contg. a sulfonamide group is an excellent inhibitor of COX-2 with an IC50 of 14 nM. Tetrasubstituted pyrroles contg. groups such as COCF3, SO2CF3, or CH2OAr at position 3 in the pyrrole ring give excellent inhibitors (COX-2, IC50 = 30-120 nM). In vivo testing in the carrageenan-induced paw edema model in the rat establishes that the 1,2-diarylpyrroles are orally active antiinflammatory agents. Compd. I (R1 = F, R2 = MeO2S, R3 = H) is the most potent inhibitor of edema with an ED50 of 4.7 mpk.  
 IT 189501-09-5P 189501-10-8P  
 RL: BAC (Biological activity or effector, except adverse); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (synthesis and structure of 1,2-diarylpyrroles as cyclooxygenase-2 inhibitors and orally active antiinflammatory agents)  
 RN 189501-09-5 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



RN 189501-10-8 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]-N-methyl- (9CI)  
 (CA INDEX NAME)

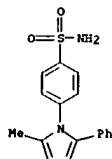
L9 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



L9 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1970:100495 CAPLUS  
 DOCUMENT NUMBER: 72:100495  
 TITLE: 1-Phenylpyrroles  
 INVENTOR(S): Pons, Andre L.; Robba, Max F.; Marcy, Rene H.; Duval, Denise J. C.  
 PATENT ASSIGNEE(S): Innothra  
 SOURCE: Ger. Offen., 94 pp.  
 CODEN: GWKXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1938904	A	19700205	DE 1969-1938904	19690731
FR 7649	M	19700202	FR 1968-161664	19680802
FR 2054474	A6	19710423	FR 1969-23303	19690709
FR 2054474	B2	19730608		
GB 1263940	A	19720216	GB 1969-1263940	19690731
PRIORITY APPLN. INFO.:			FR 1968-161664	19680802
			FR 1969-23303	19690709

GI. For diagram(s), see printed CA Issue.  
 AB 1-Phenylpyrroles (I) are prepd. and investigated as pain killers and inflammation inhibitors for the treatment of arthritis, lumbago, and sciatica. Thus, 33 g .gamma.-oxovalerophenone and 25 g m-aminobenzoic acid was heated at 195.degree. to yield 95% I (R = m-CO2H, R1 = Me, R2 = Ph), m. 197.degree. (EtOH), LD50 (mg/kg in mice) i.v. 113, i.p. 430, and digestive 1850. Ninety I were prepd. and the LD50 detd. for 20.  
 IT 26165-71-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)  
 RN 26165-71-9 CAPLUS  
 CN Benzenesulfonamide, p-(2-methyl-5-phenylpyrrol-1-yl)- (8CI) (CA INDEX NAME)



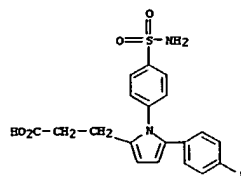
L9 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1969:68134 CAPLUS  
 DOCUMENT NUMBER: 70:68134  
 TITLE: Pyrrolylpropionic acid  
 INVENTOR(S): Chinn, Leland J.  
 PATENT ASSIGNEE(S): Searle, G. D., and Co.  
 SOURCE: U.S., 2 pp.  
 CODEN: USQXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

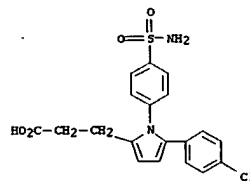
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3427305	A	19690211	US 1966-591120	19661101

AB 3-[1-(R-substituted)-2-(R1-substituted)-5-pyrrolyl]propionic acids (I), where R = p-sulfamoylphenyl or -benzyl and R1 = substituted phenyl, were  
 prepd. by condensing an appropriate oxo acid with an appropriate benzenesulfonamide. Yields were not stated. Thus, a mixt. of p-FC6H4CO(CH2)2CO(CH2)2CO2H 300, p-H2NC6H4SO2NH2 200, p-MeC6H4SO3H 25, and PhMe 8700 parts is refluxed 24 hrs. with removal of H2O and worked up to give I (R = p-H2NO2-SC6H4, R1 = p-FC6H4), m. 229.5-32.5.degree. (EtOAc).  
 Similarly prepd. were the following I (R, R1, and m.p. given): p-H2NO2-SC6H4CH2, p-FC6H4, 169.5-71.5.degree. (EtOAc-Et2O); p-H2NO2-SC6H4, p-ClC6H4, 256.5-9.5.degree. (Me2CO-EtOAc); p-H2NO2SC6H4CH2, m-BrC6H4, -; and p-H2NO2SC6H4, p-MeOC6H4, 176-80.5.degree. (EtOAc-hexane). The compds. inhibit hemoglobin hydrolysis, and have antiinflammatory, antiedemic, and antibacterial properties.  
 IT 21766-08-5P 21766-10-9P 21766-12-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)  
 RN 21766-08-5 CAPLUS  
 CN Pyrrole-2-propionic acid, 5-(p-fluorophenyl)-1-(p-sulfamoylphenyl)- (8CI)  
 (CA INDEX NAME)

L9 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

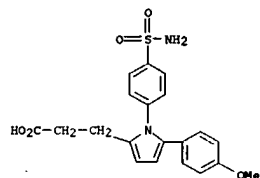


RN 21766-10-9 CAPLUS  
 CN Pyrrole-2-propionic acid, 5-(p-chlorophenyl)-1-(p-sulfamoylphenyl)- (8CI)  
 (CA INDEX NAME)



RN 21766-12-1 CAPLUS  
 CN Pyrrole-2-propionic acid, 5-(p-methoxyphenyl)-1-(p-sulfamoylphenyl)- (8CI)  
 (CA INDEX NAME)

L9 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
63.82	241.49

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-8.82	-8.82

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FILE LAST UPDATED: 6 MAR 2000

FILE COVERS 1779 TO 2000.

\*\*\* CAS REGISTRY NUMBERS FOR 4,356,237 SUBSTANCES AVAILABLE \*\*\*

\*\*\* FILE CONTAINS 7,688,486 SUBSTANCES \*\*\*

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4 ANSWERS

100.0% PROCESSED 9307 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.22

L10

6 SEA SSS FUL L6

=> d 1-6 pre ide rsd fa bf

L10 ANSWER 1 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI

## Preparation:

PRE

Start: BRN=7762567 1-(4-fluorophenyl)-3-(5,5-dimethyl-1,3-dioxan-2-yl)propanone, BRN=2366812 4-amino-N-methyl-benzenesulfonamide

Reag: p-TsOH

Time: 20 hour(s)

Yield: 40.00 %

Solv: toluene

Ambient Temperature

Reference(s):

1. Khanna, Ish K.; Weier, Richard M.; Yu, Yi; Collins, Paul W.; Miyashiro, Julie M.; et al., J.Med.Chem., 40 &lt;1997&gt; 11, 1619-1633, LA: EN.

CODEN:

JHCHAR

Beilstein Reg. No. (BRN): 7772559 Beilstein

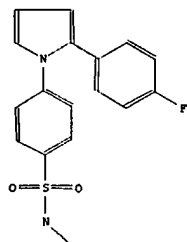
Molecular Formula (MF): C17 H15 F N2 O2 S

Synonym (SY): 4-&lt;2-(4-fluorophenyl)-1H-pyrrol-1-yl&gt;-N-methylbenzenesulfonamide

Beilstein Reference (SO): 6-20

Formula Weight (FW): 330.38

Lawson Number (LN): 24377; 16308; 2817



## Ring System Data:

Number of Rings (CNR): 3

L10 ANSWER 2 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI

## Preparation:

PRE

Start: BRN=5942101 3-(1,3-dioxolan-2-yl)-1-(4-fluorophenyl)propan-1-one, BRN=511852 4-amino-benzenesulfonamide

Reag: p-TsOH

Time: 20 hour(s)

Solv: toluene

Ambient Temperature

Reference(s):

1. Khanna, Ish K.; Weier, Richard M.; Yu, Yi; Collins, Paul W.; Miyashiro, Julie M.; et al., J.Med.Chem., 40 &lt;1997&gt; 11, 1619-1633, LA: EN.

CODEN:

JHCHAR

Beilstein Reg. No. (BRN): 7770298 Beilstein

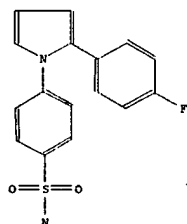
Molecular Formula (MF): C16 H13 F N2 O2 S

Synonym (SY): 4-&lt;2-(4-fluorophenyl)-1H-pyrrol-1-yl&gt;-benzenesulfonamide

Beilstein Reference (SO): 6-20

Formula Weight (FW): 316.35

Lawson Number (LN): 24377; 16308



## Ring System Data:

Number of Rings (CNR): 3

Ring Systems (CNRS): 3

Diff. Ring Systems (CNDRS): 2

Ring Heteros (CNRH): 1

Acyclic Heteros (CNAH): 5

L10 ANSWER 1 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI (Continued)

Ring Systems (CNRS): 3  
Diff. Ring Systems (CNDRS): 2  
Ring Heteros (CNRH): 1  
Acyclic Heteros (CNAH): 5

Beilstein Ring Index (BRIX)	Ring System Formula (RF)	BRIX Count
6.1.0-0.0-3.1	C6	2
5.1.0-1.1-2.2	C4N	1

## Biological Function:

BF in vitro inhibition of the human cyclooxygenase-2 (COX-2) enzyme: IC50&gt;100 .my.M and the human cyclooxygenase-1 (COX-1) enzyme: IC50&gt;100 .my.M

Reference(s):

1. Khanna, Ish K.; Weier, Richard M.; Yu, Yi; Collins, Paul W.; Miyashiro, Julie M.; et al., J.Med.Chem., 40 &lt;1997&gt; 11, 1619-1633, LA: EN.

CODEN:

JHCHAR

## Field Availability:

Code	Name	Occur. (OCC)
MF	Molecular Formula	1
SY	Synonym	1
FW	Formula Weight	1
SO	Beilstein Citation	1
LN	Lawson Number	3
SF	Stereo Family	1
PRE	Preparation	1
CTCPL	Coupling Phenomena	1
MP	Melting Point	1
NMRA	NMR Absorption	1
IRM	Infrared Maximum	1
BF	Biological Function	1

L10 ANSWER 2 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI (Continued)

Beilstein Ring Index (BRIX)	Ring System Formula (RF)	BRIX Count
6.1.0-0.0-3.1	C6	2
5.1.0-1.1-2.2	C4N	1

## Biological Function:

BF in vitro inhibition of the human cyclooxygenase-2 (COX-2) enzyme: IC50=0.014 .my.M and the human cyclooxygenase-1 (COX-1) enzyme: IC50=10.5 .my.Ms in vivo inhibition of carrageenan-induced edema in rats

Reference(s):

1. Khanna, Ish K.; Weier, Richard M.; Yu, Yi; Collins, Paul W.; Miyashiro, Julie M.; et al., J.Med.Chem., 40 &lt;1997&gt; 11, 1619-1633, LA: EN.

CODEN:

JHCHAR

## Field Availability:

Code	Name	Occur. (OCC)
MF	Molecular Formula	1
SY	Synonym	1
FW	Formula Weight	1
SO	Beilstein Citation	1
LN	Lawson Number	2
SF	Stereo Family	1
PRE	Preparation	1
CTCPL	Coupling Phenomena	1
MP	Melting Point	1
NMRA	NMR Absorption	1
IRM	Infrared Maximum	1
BF	Biological Function	1

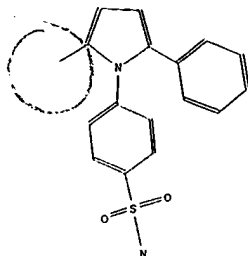
L10 ANSWER 3 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI

Preparation:  
PRE

## Reference(s):

1. Patent: Innothera, DE 1938904 1970  
Chem. Abstr., 72, 100495
2. Patent: Innothera, DE 1938904 1969  
Chem. Abstr., 72, 100495

Beilstein Reg. No. (BRN): 1292411 Beilstein  
Molecular Formula (MF): C17 H16 N2 O2 S  
Autonom Name (AUN): 4-(2-methyl-5-phenyl-pyrrol-1-yl)-  
benzenesulfonamide  
Beilstein Reference (SO): 5-20  
CAS Reg. No. (RN): 26165-71-9  
Beilstein Pref. RN (BPR): 26165-71-9  
Formula Weight (FW): 312.39  
Lawson Number (LN): 24386; 16308



## Ring System Data:

Number of Rings (CNR): 3  
Ring Systems (CNRS): 3  
Diff. Ring Systems (CNDRS): 2  
Ring Heteros (CNRH): 1  
Acyclic Heteros (CNAH): 4

L10 ANSWER 3 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI (Continued)

Beilstein Ring Index (BRIX)	Ring System Formula (RF)	BRIX Count
5.1.0-1.1-2.2	C4N	1
6.1.0-0.0-3.1	C6	2

## Field Availability:

Code	Name	Occur. (OCC)
MF	Molecular Formula	1
AUN	Autonom Name	1
FW	Formula Weight	1
SO	Beilstein Citation	1
LN	Lawson Number	2
RN	CAS Registry Number	1
BPR	Beilstein Preferred RN	1
SF	Stereo Family	1
PRE	Preparation	1
MP	Melting Point	3

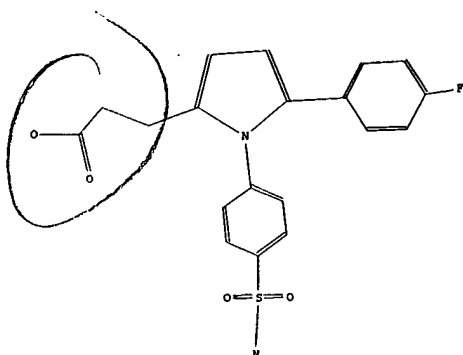
L10 ANSWER 4 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI

Preparation:  
PRE

## Reference(s):

1. Patent: Searle; G.D. and Co., US 3427305 1969  
Chem. Abstr., 70, <1969>, 68134x
2. Patent: Searle; G.D. and Co., US 3427305 1969  
Chem. Abstr., 70, <1969>, 68134x

Beilstein Reg. No. (BRN): 500639 Beilstein  
Molecular Formula (MF): C19 H17 F N2 O4 S  
Autonom Name (AUN): 3-(5-(4-fluoro-phenyl)-1-(4-sulfamoyl-phenyl)-1H-  
pyrrol-2-yl)-propionic acid  
Beilstein Reference (SO): 5-22  
CAS Reg. No. (RN): 21766-08-5  
Beilstein Pref. RN (BPR): 21766-08-5  
Formula Weight (FW): 388.41  
Lawson Number (LN): 264147 16308



## Ring System Data:

Number of Rings (CNR): 3  
Ring Systems (CNRS): 3  
Diff. Ring Systems (CNDRS): 2  
Ring Heteros (CNRH): 1

L10 ANSWER 4 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI (Continued)

Acyclic Heteros (CNAH): 7

Beilstein Ring Index (BRIX)	Ring System Formula (RF)	BRIX Count
5.1.0-1.1-2.2	C4N	1
6.1.0-0.0-3.1	C6	2

## Field Availability:

Code	Name	Occur. (OCC)
MF	Molecular Formula	1
AUN	Autonom Name	1
FW	Formula Weight	1
SO	Beilstein Citation	1
LN	Lawson Number	2
RN	CAS Registry Number	1
BPR	Beilstein Preferred RN	1
SF	Stereo Family	1
PRE	Preparation	1
MP	Melting Point	2

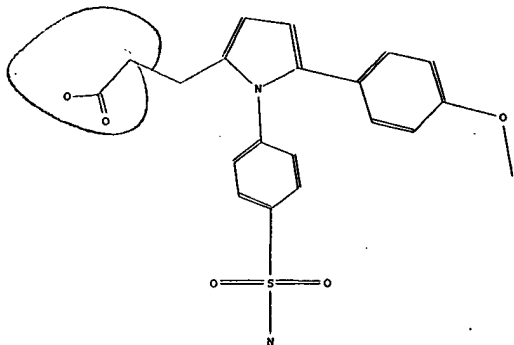
L10 ANSWER 5 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI

## Preparation:

PRE

## Reference(s):

1. Patent: Searle, G.D. and Co., US 3427305 1969  
 Chem. Abstr., 70, <1969>, 68134x  
 Beilstein Reg. No. (BRN): 456564 Beilstein  
 Molecular Formula (MF): C20 H20 N2 O5 S  
 Autonom Name (AUN):  
 3-(5-(4-methoxy-phenyl)-1-(4-sulfamoyl-phenyl)-1H-  
 pyrrol-2-yl)-propionic acid  
 Beilstein Reference (SO): 5-22  
 CAS Reg. No. (RN): 21766-12-1  
 Beilstein Pref. RN (BPR): 21766-12-1  
 Formula Weight (FW): 400.45  
 Lawson Number (LN): 26726; 16308; 289



## Ring System Data:

Number of Rings (CNR): 3

L10 ANSWER 5 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI (Continued)

Ring Systems (CNRS): 3  
 Diff. Ring Systems (CNDRS): 2  
 Ring Heteros (CNRH): 1  
 Acyclic Heteros (CNAH): 7

Beilstein Ring Index (BRIX)	Ring System Formula (RF)	BRIX Count
5.1.0-1.1-2.2	C4N	1
6.1.0-0.0-3.1	C6	2

## Field Availability:

Code	Name	Occur. (OCC)
MF	Molecular Formula	1
AUN	Autonom Name	1
FW	Formula Weight	1
SO	Beilstein Citation	3
LN	Lawson Number	1
RN	CAS Registry Number	1
BPR	Beilstein Preferred RN	1
SF	Stereo Family	1
PRE	Preparation	1
MP	Melting Point	1

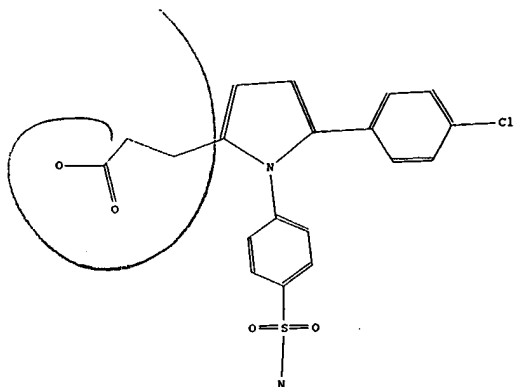
L10 ANSWER 6 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI

## Preparation:

PRE

## Reference(s):

1. Patent: Searle, G.D. and Co., US 3427305 1969  
 Chem. Abstr., 70, <1969>, 68134x  
 Beilstein Reg. No. (BRN): 455073 Beilstein  
 Molecular Formula (MF): C19 H17 Cl N2 O4 S  
 Autonom Name (AUN):  
 3-(5-(4-chloro-phenyl)-1-(4-sulfamoyl-phenyl)-1H-  
 pyrrol-2-yl)-propionic acid  
 Beilstein Reference (SO): 5-22  
 CAS Reg. No. (RN): 21766-10-9  
 Beilstein Pref. RN (BPR): 21766-10-9  
 Formula Weight (FW): 404.87  
 Lawson Number (LN): 26414; 16308



## Ring System Data:

Number of Rings (CNR): 3  
 Ring Systems (CNRS): 3  
 Diff. Ring Systems (CNDRS): 2  
 Ring Heteros (CNRH): 1  
 Acyclic Heteros (CNAH): 7

L10 ANSWER 6 OF 6 COPYRIGHT 2001 BEILSTEIN CDS MDLI (Continued)

Beilstein Ring Index (BRIX)	Ring System Formula (RF)	BRIX Count
5.1.0-1.1-2.2	C4N	1
6.1.0-0.0-3.1	C6	2

## Field Availability:

Code	Name	Occur. (OCC)
MF	Molecular Formula	1
AUN	Autonom Name	1
FW	Formula Weight	1
SO	Beilstein Citation	1
LN	Lawson Number	2
RN	CAS Registry Number	1
BPR	Beilstein Preferred RN	1
SF	Stereo Family	1
PRE	Preparation	1
MP	Melting Point	1

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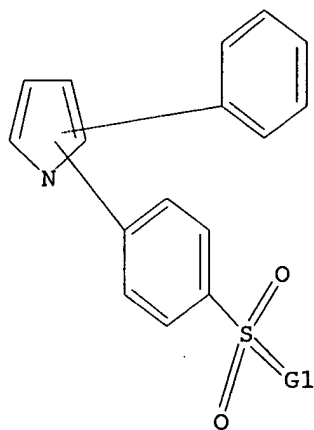
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	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-8.82

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L1 HAS NO ANSWERS

L1 STR



G1 C,N

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FULL SEARCH INITIATED 17:44:28 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 28657 TO ITERATE

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SEARCH TIME: 00.00.01

98 ANSWERS

L2 98 SEA SSS FUL L1

=> s 12 and caplus/lc  
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L3 98 L2 AND CAPLUS/LC

=> fil caplus

COST IN U.S. DOLLARS

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FILE COVERS 1967 - 17 Apr 2001 VOL 134 ISS 17  
FILE LAST UPDATED: 16 Apr 2001 (20010416/ED)

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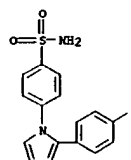


L4            15 L2

=> d 1-15 ibib abs hitstr

L4 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 2000:637744 CAPLUS  
 DOCUMENT NUMBER: 134:39080  
 TITLE: A method for including protein flexibility in protein-ligand docking: improving tools for database mining and virtual screening  
 AUTHOR(S): Broughton, H. B.  
 CORPORATE SOURCE: Merck, Sharp & Dohme Neuroscience Research Centre, Essex, UK  
 SOURCE: J. Mol. Graphics Modell. (2000), 10 (3), 247-257  
 CODEN: JMGHFI; ISSN: 1093-3263  
 PUBLISHER: Elsevier Science Inc.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Second-generation methods for docking ligands into their biol. receptors, such as FLOG, provide for flexibility of the ligand but not of the receptor. Mol. dynamics based methods, such as free energy perturbation, account for flexibility, solvent effects, etc., but are very time consuming. We combined the use of statistical anal. of conformational samples from short-run protein mol. dynamics with grid-based docking protocols and demonstrated improved performance in two test cases.  
 Our statistical anal. explores the importance of the av. strength of a potential interaction with the biol. target and optionally applies a weighting depending on the variability in the strength of the interaction seen during dynamics simulation. Using these methods, we improved the no. of known dihydrofolate reductase ligands found in the top-ranked 101 of a database of drug-like mols., in searches based on the three-dimensional structure of the protein. These methods are able to match the ability of manual docking to assess likely inactivity on steric grounds and indeed to rank order ligands from a homologous series of cyclooxygenase-2 inhibitors with good correlation to their true activity. Furthermore, these methods reduce the need for human intervention in setting up mol. docking expts.  
 IT 109501-09-5  
 RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); PRP (Properties); BIOL (Biological study); PROC (Process) (method for including protein flexibility in protein-ligand docking -

L4 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 improving tools for database mining and virtual screening)  
 RN 109501-09-5 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



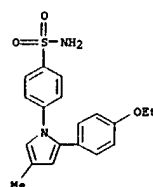
REFERENCE COUNT: 32  
 REFERENCE(S): (4) Bernstein, F; J Mol Biol. 1977, V112, P535 CAPLUS  
 (5) Bertenshaw, S; Bioorg Med Chem Lett 1995, V5, P2919 CAPLUS  
 (6) Bolin, J; J Biol Chem 1982, V257, P13650  
 (7) Cornell, W; J Am Chem Soc 1995, V117, P5179  
 (9) Goodsell, D; J Mol Recognit 1996, V9, P1  
 CAPLUS  
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 CAPLUS  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 2000:456950 CAPLUS  
 DOCUMENT NUMBER: 133:84244  
 TITLE: Method of using a cyclooxygenase-2 inhibitor and an integrin antagonist as a combination therapy in the treatment of neoplasia  
 INVENTOR(S): McKearn, John P.; Gordon, Gary; Cunningham, James J.; Gately, Stephen T.; Koki, Alane T.; Masferrer, Jaime  
 L.  
 PATENT ASSIGNEE(S): G.D. Searle & Co., USA  
 SOURCE: PCT Int. Appl., 348 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

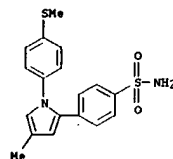
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038786	A2	20000706	WO 1999-US30692	19991222
WO 2000038786	A3	20010308		

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 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 PRIORITY APPLN. INFO.: US 1998-113786 19981223  
 AB Methods are provided to treat or prevent neoplasia disorders in a mammal using a combination of a cyclooxygenase-2 inhibitor, an integrin antagonist and an antineoplastic agent.  
 IT 197904-84-0 197905-01-4  
 RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (cyclooxygenase-2 inhibitor and integrin antagonist in combination for neoplasia treatment)  
 RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methylthiophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



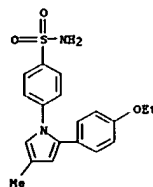
L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 2000:456927 CAPLUS  
 DOCUMENT NUMBER: 133:84243  
 TITLE: Method of using a cyclooxygenase-2 inhibitor and one or more antineoplastic agents as a combination therapy in the treatment of neoplasia  
 INVENTOR(S): McKearn, John P.; Gordon, Gary; Cunningham, James J.; Gately, Stephen T.; Koki, Alane T.; Masferrer, Jaime  
 PATENT ASSIGNEE(S): L. G.D. Searle and Co., USA  
 SOURCE: PCT Int. Appl., 236 pp. CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038730	A2	20000706	WO 1999-US30693	19991222
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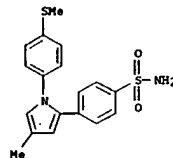
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PRIORITY APPL. INFO.: US 1998-113786 19981223  
 AB Methods are provided to treat or prevent neoplasia disorders in a mammal using a combination of a cyclooxygenase-2 inhibitor and an antineoplastic agent.  
 IT 197904-84-0 197905-01-4  
 RI: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (cyclooxygenase-2 inhibitor-antineoplastic agent combination for neoplasia treatment)

L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)



RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-1-[(4-methylthio)phenyl]-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 2000:456913 CAPLUS  
 DOCUMENT NUMBER: 133:84241  
 TITLE: Combination therapy of radiation and a cyclooxygenase 2 (COX-2) inhibitor for the treatment of neoplasia  
 INVENTOR(S): McKearn, John P.; Masferrer, Jaime L.; Milas, Luka  
 PATENT ASSIGNEE(S): G.D. Searle and Co., USA  
 SOURCE: PCT Int. Appl., 96 pp. CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038716	A1	20000706	WO 1999-US30669	19991222

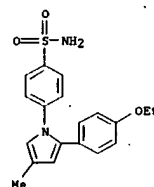
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 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPL. INFO.: US 1998-113786 19981223  
 US 1999-385214 19990827

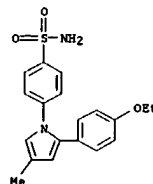
AB Methods are provided to treat or prevent neoplasia disorders in a mammal using a combination of radiation therapy and a COX-2 inhibitor.  
 IT 197904-84-0 197904-84-0B, derivs. 197905-01-4  
 197905-01-4B, derivs.  
 RI: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (COX-2 inhibitor-radiation therapy combination for neoplasia treatment)

RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

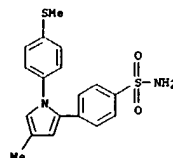
L4 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
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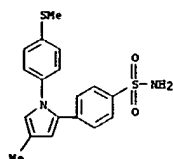


RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-1-[(4-methylthio)phenyl]-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(4-methyl-1-[(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3  
 REFERENCE(S):  
 (1) Gordon, G; WO 9816227 A 1998 CAPLUS  
 (2) Milas, L; Journal of the National Cancer  
 Institute (Bethesda) 1999, V91(17), P1501 CAPLUS  
 (3) Sankyo Co; EP 0927555 A 1999 CAPLUS

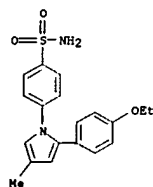
L4 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:441655 CAPLUS  
 DOCUMENT NUMBER: 133:68922  
 TITLE: Method of using a cyclooxygenase-2 inhibitor and a matrix metalloproteinase inhibitor as a combination therapy in the treatment of neoplasia  
 INVENTOR(S): McKearn, John P.; Gordon, Gary; Cunningham, James J.; Gately, Stephen T.; Koki, Alane T.; Masferrer, Jaime  
 PATENT ASSIGNEE(S): L. G.D. Searle & Co., USA  
 SOURCE: PCT Int. Appl., 437 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

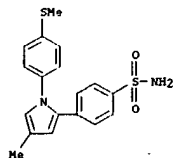
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000037107	A2	20000629	WO 1999-US30776	19991222
WO 2000037107	A3	20010201		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CN, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 PRIORITY APPL. INFO.: US 1998-113786 19981223  
 AB Methods are provided to treat or prevent neoplasia disorders in a mammal using a combination of a cyclooxygenase-2 inhibitor, a matrix metalloproteinase inhibitor and an antineoplastic agent.  
 IT 197904-84-0 197905-01-4  
 RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (cyclooxygenase-2 inhibitor and matrix metalloproteinase inhibitor in combination therapy for neoplasia treatment)  
 RN 197904-84-0 CAPLUS

L4 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-1-[(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

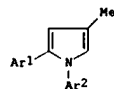


L4 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:181022 CAPLUS  
 DOCUMENT NUMBER: 132:207760  
 TITLE: Preparation of 4-methyl-1,2-diarylpyrroles and their intermediates  
 INVENTOR(S): Noguchi, Yasuo; Saito, Toshinori; Fujimoto, Katsuhiko  
 PATENT ASSIGNEE(S): Takebayashi, Toyonori  
 SOURCE: Sankyo Co., Ltd., Japan  
 Jpn. Kokai Tokkyo Koho, 14 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

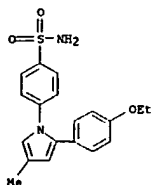
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JF 2000080078	A2	20000921	JF 1999-179478	19990625

PRIORITY APPL. INFO.: JF 1998-192835 19980708  
 OTHER SOURCE(S): CASREACT 132:207760; MARPAT 132:207760  
 GI

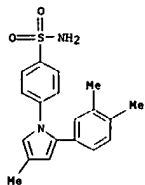


AB Pyrroles I [Ar1, Ar2 = (un)substituted C6-10 aryl], useful as analgesic-antipyretic agents (no data), are prepd. by reaction of Ar1COCH2CHMe (Ar1 = same as I) with MeNO2 in the presence of bases, treatment of Ar1COCH2CHMeCH2NO2 (Ar1 = same as I) with bases, reaction with R1OH (R1 = C1-6 alkyl) and R2OH (R2 = C1-6 alkyl) or HOR1R2OH [R1R2 = C1-4 alkyl-(un)substituted trimethylene], and reaction of Ar1COCH2CHMeCH(OR1) OR2 (Ar1, R1, R2 = same as above) with Ar2NH2 (Ar2 = same as I) under acidic condition.  
 1-(3,4-Dimethylphenyl)-2-butan-1-one was reacted with MeNO2 in the presence of DBU under ice cooling for 1 h, treated with NaOMe, and reacted with neopentylglycol in the presence of H2SO4 in MeOH at room temp. for 1 h to give  
 3-(5,5-dimethyl-1,3-dioxan-2-yl)-1-(3,4-dimethylphenyl)butan-1-one, which was reacted with sulfanilamide in PhOH-AcOH mixt. at 100.degree. for 3 h to give 71.3% 4-methyl-2-(3,4-dimethylphenyl)-1-(4-sulfamoylphenyl)pyrrole.  
 IT 197904-84-0P, 4-Methyl-2-(4-ethoxyphenyl)-1-(4-sulfamoylphenyl)pyrrole 197904-85-3P, 4-Methyl-2-(3,4-

L4 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 dimethylphenyl)-1-(4-sulfamoylphenyl)pyrrole 260415-79-09,  
 4-methyl-2-(2,5-dimethylphenyl)-1-(4-sulfamoylphenyl)pyrrole  
 RL: INF (Industrial manufacture); SPN (Synthetic preparation); PREP  
 (Preparation)  
 (prepn. of methyl-diarylpyrroles by addn. of unsatd. aryl ketones  
 with MeNO<sub>2</sub>, alkoxylation, and cyclization with amines)  
 RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



RN 197904-95-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

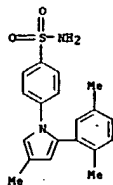


RN 260415-79-0 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,5-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-

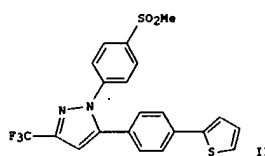
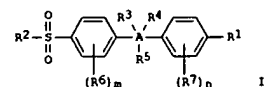
L4 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1999:795808 CAPLUS  
 DOCUMENT NUMBER: 132:35714  
 TITLE: Preparation of heterocyclyl sulfonylbenzene  
 compounds  
 as anti-inflammatory/analgesic agents.  
 INVENTOR(S): Ando, Kazuo; Kato, Tomoki; Kawai, Akiyoshi;  
 Nonomura, Tomomi  
 PATENT ASSIGNEE(S): Pfizer Pharmaceuticals Inc., USA  
 SOURCE: PCT Int. Appl., 236 pp.  
 CODEN: PIXX02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9964415	A1	19991216	WO 1999-18970	19990531
W: AL, AM, AT, AU, <u>BA</u> , BB, BG, BR, BY, CA, CH, CN, CU, CZ,				
DE,	DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE,			
KG,	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,			
MX,	NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR,			
TT,	UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
DK,	RW: GH, GN, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE,			
CG,	ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,			
	CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9938414	A1	19991230	AU 1999-38414	19990531
EP 1086097	A1	20010328	EP 1999-921043	19990531
IE, FI	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT,			
PRIORITY APPLN. INFO.:	WO 1998-18912	19980611		
OTHER SOURCE(S):	WO 1999-18970	19990531		
GI	MARPAT 132:35714			

L4 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 (9CI) (CA INDEX NAME)

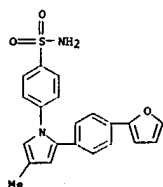


L4 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



AB This invention provides a compd. of formula (I) or its  
 pharmaceutically  
 acceptable salt thereof [wherein A is partially unsatd. or unsatd.  
 five  
 membered heterocyclic, or partially unsatd. or unsatd. five membered  
 carbocyclic, wherein the 4-(sulfonyl)phenyl and the 4-substituted Ph  
 in  
 formula I are attached to ring atoms of Ring A, which are adjacent to  
 each  
 other; R1 is optionally substituted aryl or heteroaryl, with the  
 proviso  
 that when A is pyrazole, R1 is heteroaryl; R2 is C1-4 alkyl,  
 halo-substituted C1-4 alkyl, C1-4 alkylamino, C1-4 dialkylamino or  
 amino;  
 R3, R4 and R5 are independently hydrogen, halo, C1-4 alkyl,  
 halo-substituted C1-4 alkyl or the like; or two of R3, R4 and R5 are  
 taken  
 together with atoms to which they are attached and form a 4-7 membered  
 ring; R6 and R7 are independently hydrogen, halo, C1-4 alkyl,  
 halo-substituted C1-4 alkyl, C1-4 alkoxy, C1-4 alkylthio, C1-4  
 alkylamino  
 or N,N-di C1-4 alkylamino; and m and n are independently 1, 2, 3 or  
 4).  
 This invention also provides a pharmaceutical compn. useful for the  
 treatment of a medical condition in which prostaglandins are  
 implicated as  
 pathogens. This invention relates to compd. and pharmaceutical  
 compns.  
 for the treatment of cyclooxygenase mediated diseases. These compds.  
 inhibit the biosynthesis of prostaglandins by intervention of the  
 action  
 of the enzyme cyclooxygenase on arachidonic acid, and are therefore  
 useful

L4 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 in the treatment or alleviation of inflammation and other  
 inflammation  
 associated disorders, such as arthritis, in mammals (no data). Thus,  
 To a  
 stirred soln. of 1-[4-(Methylsulfonyl)phenyl]-5-(4-bromophenyl)-3-  
 trifluoromethyl-1H-pyrazole (0.27 g) in DME (8 mL) was added  
 3-thiophenboronic acid (0.09 g),  
 bis(triphenylphosphine)palladium(II)chlor  
 ide (0.05 g) and satd. NaHCO<sub>3</sub> soln. (2 mL) at room temp. under  
 nitrogen.  
 The mixt. was heated at reflux temp. for 16 h, and cooled down to  
 room  
 temp. to give, after purifn. by flash chromatog. eluting with Et  
 acetate/hexane (1/1),  
 1-[4-(Methylsulfonyl)phenyl]-5-[4-(2-thienyl)phenyl]-  
 3-trifluoromethyl-1H-pyrazole (II) in 64 % yield.  
 IT 25259-49-2P  
 RL: BAC (Biological activity or effector, except adverse); SPN  
 (Synthetic  
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
 (Preparation); USES (Uses)  
 (prepn. of heterocyclyl sulfonylbenzene compds. as cyclooxygenase  
 inhibitors, prostaglandin biosynthesis inhibitors,  
 anti-inflammatory,  
 and analgesic agents)  
 RN 25259-49-2 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-[4-(2-furanyl)phenyl]-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



REFERENCE COUNT: 16  
 REFERENCE(S):  
 CAPLUS  
 (1) Angelini Ricerche SPA; WO 9822442 A 1998  
 (3) Bayer AG; DE 2310446 A 1974 CAPLUS  
 (4) Berger, L; US 3896145 A 1975 CAPLUS

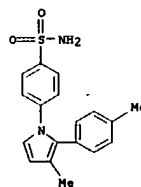
L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1999:440003 CAPLUS  
 DOCUMENT NUMBER: 131:82985  
 TITLE: Use of cyclooxygenase-2 inhibitors for the  
 treatment  
 and prevention of tumors, tumor-related  
 disorders and  
 cachexia  
 INVENTOR(S): Kurakata, Shinichi; Hanai, Masaharu; Kanai,  
 Saori;  
 Kimura, Tomio  
 PATENT ASSIGNEE(S): Sankyo Company Limited, Japan  
 SOURCE: Eur. Pat. Appl., 49 pp.  
 CODEN: EPXOXD  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 927555	A1	19990707	EP 1998-310510	19981221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,				
PT, IE, SI, LT, LV, FI, RO				
JP 11246403	A2	19990914	JP 1998-362188	19981221
ZA 9811840	A	19990623	ZA 1998-11840	19981223
NO 9806089	A	19990625	NO 1998-6089	19981223
AU 9898225	A1	19990715	AU 1998-98225	19981224
CN 1230407	A	19991006	CN 1998-111656	19981224
BR 9805544	A	20000328	BR 1998-5544	19981224
JP 11279078	A2	19991012	JP 1999-14059	19990122
JP 2000095685	A2	20000404	JP 1999-176139	19990623
JP 2000159690	A2	20000613	JP 1999-176140	19990623
PRIORITY APPLN. INFO.:			JP 1997-354499	19971224
			JP 1998-15306	19980128
			JP 1998-204907	19980721
			JP 1998-269444	19980924

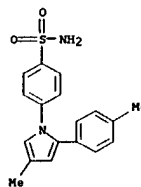
OTHER SOURCE(S): MARPAT 131:82985  
 AB Certain cyclooxygenase-2 inhibitors are useful for the treatment and  
 prevention of tumors and tumor-related disorders and cachexia.  
 IT 197904-29-3 197904-30-6 197904-31-7  
 197904-32-8 197904-62-1 197904-79-3  
 197904-81-7 197904-82-8 197904-83-9  
 197904-84-0 197904-86-2 197904-88-4  
 197904-94-2 197904-95-3 197904-96-4  
 197904-99-7 197905-00-3 197905-01-4  
 197905-02-5 197905-03-6 197905-05-8  
 197905-15-0 197905-18-3 197905-20-7  
 197905-47-8 197905-48-9  
 RL: BAC (Biological activity or effector, except adverse); THU  
 (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (cyclooxygenase-2 inhibitors for treatment and prevention of  
 tumors,  
 tumor-related disorders, and cachexia)  
 RN 197904-29-3 CAPLUS

L4 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 (5) Black, C; WO 9619469 A 1996 CAPLUS  
 (6) Callaghan, P; J Chem Soc Perkin Trans 1 1975,  
 14,  
 F1386 CAPLUS  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-[3-methyl-2-(4-methylphenyl)-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

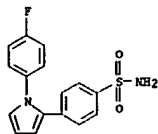


RN 197904-30-6 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-2-(4-methylphenyl)-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

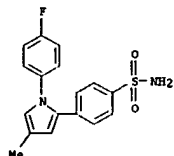


RN 197904-31-7 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA  
 INDEX NAME)

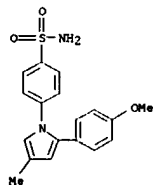
L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



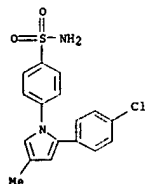
RN 197904-32-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI)  
 (CA INDEX NAME)



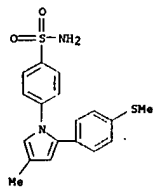
RN 197904-69-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)



L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



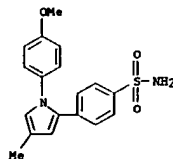
RN 197904-83-9 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-[4-(methoxythio)phenyl]-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



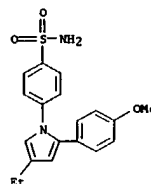
RN 197904-84-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197904-79-3 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI)  
 (CA INDEX NAME)

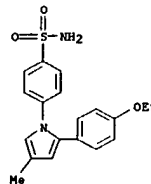


RN 197904-81-7 CAPLUS  
 CN Benzenesulfonamide, 4-[4-ethyl-2-(4-methoxyphenyl)-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

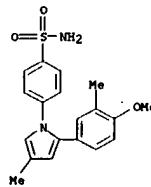


RN 197904-82-8 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-chlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

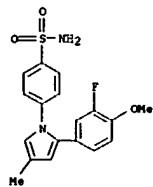


RN 197904-86-2 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(4-methoxy-3-methylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

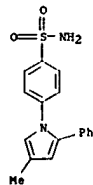


RN 197904-88-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

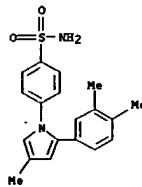


RN 197904-94-2 CAPLUS  
 CN Benzenesulfonamide, 4-([4-methyl-2-phenyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

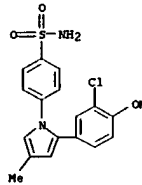


RN 197904-95-3 CAPLUS  
 CN Benzenesulfonamide, 4-([2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

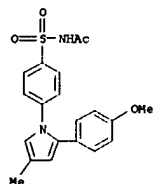


RN 197904-96-4 CAPLUS  
 CN Benzenesulfonamide, 4-([2-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

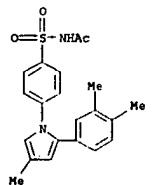


RN 197904-99-7 CAPLUS  
 CN Acetamide, N-([4-([2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl)sulfonyl]- (9CI) (CA INDEX NAME)

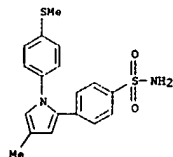
L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-00-3 CAPLUS  
 CN Acetamide, N-([4-([2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]phenyl)sulfonyl]- (9CI) (CA INDEX NAME)

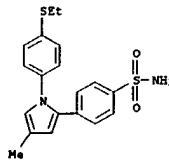


RN 197905-01-4 CAPLUS  
 CN Benzenesulfonamide, 4-([1-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

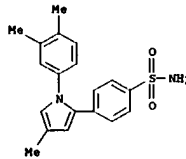


L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

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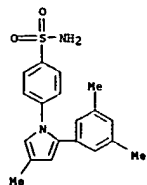
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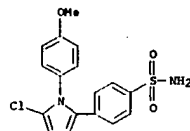
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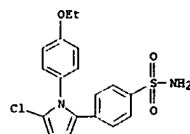
L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-15-0 CAPLUS  
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 (9CI)  
 (CA INDEX NAME)

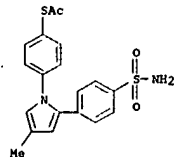


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 (CA INDEX NAME)



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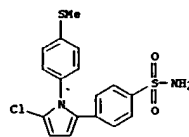
L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



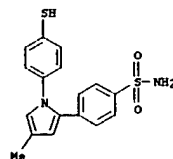
REFERENCE COUNT:  
 REFERENCE(S):  
 CAPLUS

- 9  
 (1) Futaki, N; PROSTAGLANDINS 1994, V47, P55  
 (2) G D Searle & Co; WO 9806708 A 1998 CAPLUS  
 (3) Japan Tobacco Inc; JP 09052882 A CAPLUS  
 (4) Japan Tobacco Inc; EP 0745596 A 1996 CAPLUS  
 (5) Li, J; JOURNAL OF MEDICINAL CHEMISTRY 1995,  
 V38 (22), P4570 CAPLUS  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide,  
 4-[5-chloro-1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-47-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-mercaptophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-48-9 CAPLUS  
 CN Ethanethioic acid,  
 S-[4-[2-[4-(aminosulfonyl)phenyl]-4-methyl-1H-pyrrol-1-yl]phenyl] ester (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1999:420882 CAPLUS  
 DOCUMENT NUMBER: 131:82957  
 TITLE: Diphenylpyrrole derivatives as cyclooxygenase-2 inhibitors  
 INVENTOR(S): Kimura, Fumio; Noguchi, Yasuo; Nakao, Akira; Suzuki,  
 Keisuke; Ushiyama, Shigeru; Kawahara, Akihiro;  
 Miyamoto, Masaki  
 PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 69 pp.  
 DOCUMENT TYPE: COZEN: JX00AF  
 LANGUAGE: Patent  
 Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11180871	A2	19990706	JP 1998-269718	19980924
			JP 1997-261378	19970926

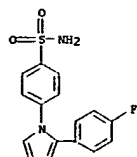
PRIORITY APPLN. INFO.: MARPAT 131:82957  
 OTHER SOURCE(S):  
 AB The title compds. selectively inhibit the activity of cyclooxygenase-2, thereby inhibit the prodn. of cytokines and leukotriens and prevent bone resorption. The invention compds. and their pharmaceutically acceptable salts are also effective as analgesics, anti-inflammatories, and antipyretics. For example, 1-(4-methoxyphenyl)-2-(4-methylsulfonylphenyl)pyrrole was prepd. and tested for its biol. activities.

IT 189501-09-5P 197904-28-2P 197904-29-3P  
 197904-30-6P 197904-31-7P 197904-32-8P  
 197904-52-2P 197904-68-0P 197904-69-1P  
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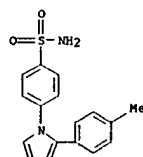
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

229491-84-3P 229491-85-4P 229491-87-6P  
229491-91-2P 229491-92-3P 229491-93-4P  
229491-94-5P 229491-96-7PRL: BAC (Biological activity or effector, except adverse); SPN  
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preparation); BIOL (Biological study); PREP (Preparation)  
(prepn. of pyrrole derivs. as selective inhibitors for  
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RN 199501-09-5 CAPLUS

CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA  
INDEX NAME)

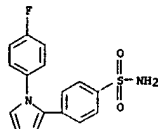
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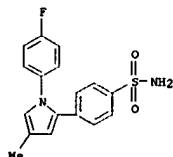
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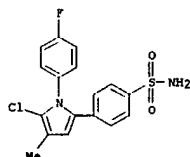
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-32-8 CAPLUS

CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

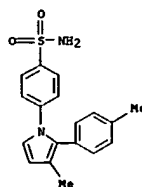
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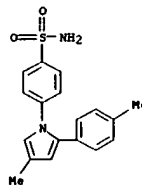
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CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-4-phenyl-1H-pyrrol-1-yl]-  
(9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



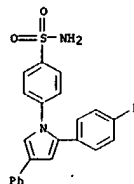
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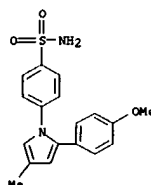
RN 197904-31-7 CAPLUS

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INDEX NAME)

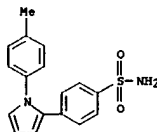
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-69-1 CAPLUS

CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
(9CI) (CA INDEX NAME)

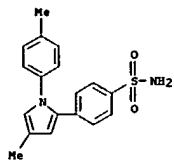
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CN Benzenesulfonamide, 4-[1-(4-methylphenyl)-1H-pyrrol-2-yl]- (9CI) (CA  
INDEX NAME)

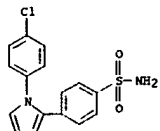
RN 197904-75-9 CAPLUS

CN Benzenesulfonamide, 4-[4-methyl-1-(4-methylphenyl)-1H-pyrrol-2-yl]-  
(9CI)

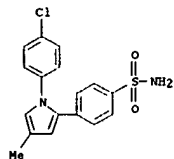
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(CA INDEX NAME)



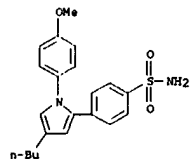
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CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



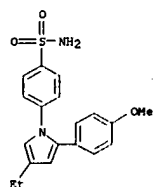
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CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI)  
(CA INDEX NAME)



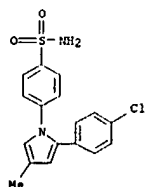
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



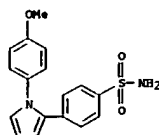
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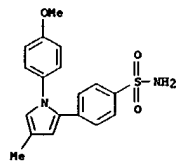
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CN Benzenesulfonamide, 4-[2-(4-chlorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
(CA INDEX NAME)



L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
RN 197904-78-2 CAPLUS  
CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



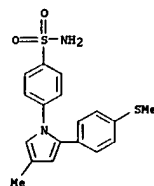
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(CA INDEX NAME)



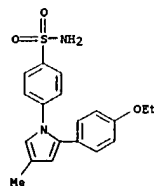
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CN Benzenesulfonamide, 4-[4-butyl-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI)  
(CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197904-83-9 CAPLUS  
CN Benzenesulfonamide, 4-[4-methyl-2-[4-(methylthio)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

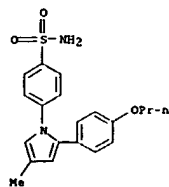


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(CA INDEX NAME)

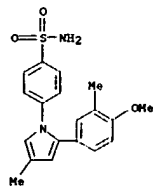


RN 197904-85-1 CAPLUS  
CN Benzenesulfonamide, 4-[4-methyl-2-(4-propoxyphenyl)-1H-pyrrol-1-yl]- (9CI)  
(CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

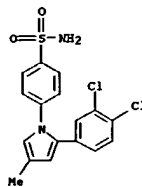


RN 197904-86-2 CAPLUS  
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 (9CI) (CA INDEX NAME)

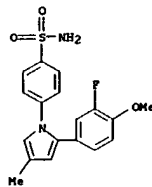


RN 197904-87-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

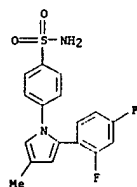


RN 197904-88-4 CAPLUS  
 CN Benzenesulfonamide,  
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 (9CI) (CA INDEX NAME)

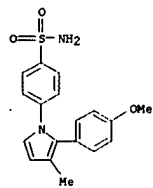


RN 197904-89-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-difluorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

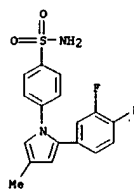


RN 197904-90-8 CAPLUS  
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 (9CI) (CA INDEX NAME)

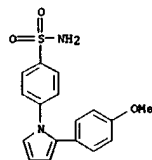


RN 197904-91-9 CAPLUS  
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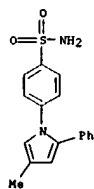
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



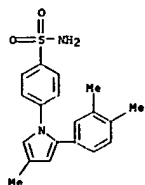
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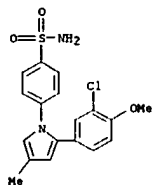
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 CN Benzenesulfonamide, 4-(4-methyl-2-phenyl-1H-pyrrol-1-yl)- (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 RN 197904-95-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

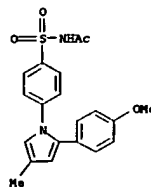


RN 197904-96-4 CAPLUS  
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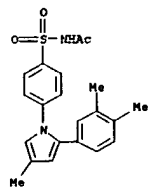


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 CN Acetamide, N-[[4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-  
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L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

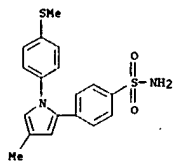


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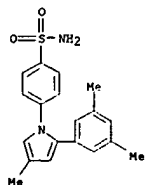


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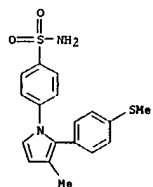
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



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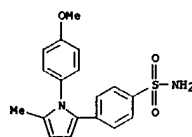


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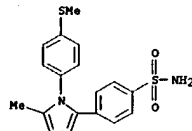


L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

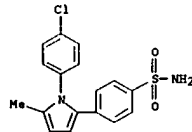
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 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-5-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-08-1 CAPLUS  
 CN Benzenesulfonamide,  
 4-[5-methyl-1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

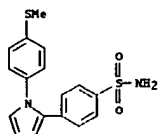


RN 197905-09-2 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-5-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

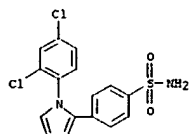


RN 197905-10-5 CAPLUS  
 CN Benzenesulfonamide, 4-[1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

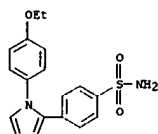
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-11-6 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(2,4-dichlorophenyl)-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

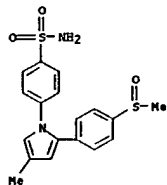


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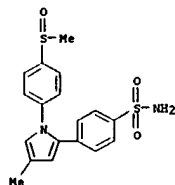


RN 197905-13-8 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-2-[4-(methylsulfinyl)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

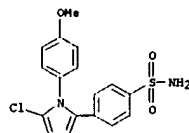


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 CN Benzenesulfonamide, 4-[4-methyl-1-[4-(methylsulfinyl)phenyl]-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

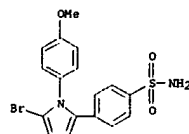


RN 197905-15-0 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

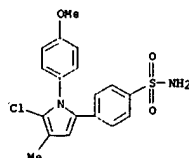
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-16-1 CAPLUS  
 CN Benzenesulfonamide, 4-[5-bromo-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

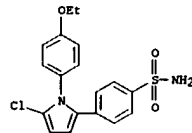


RN 197905-17-2 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

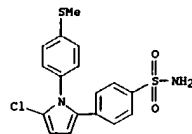


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 (CA INDEX NAME)

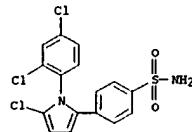
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-20-7 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-(methylthio)phenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

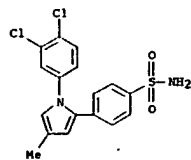


RN 197905-21-8 CAPLUS  
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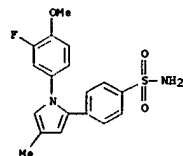


RN 197905-23-0 CAPLUS  
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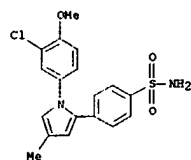
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



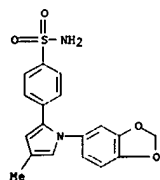
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 CN Benzenesulfonamide,  
 4-[(1-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl)]- (9CI) (CA INDEX NAME)



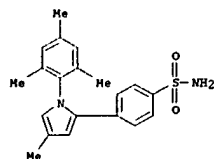
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 4-[(1-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl)]- (9CI) (CA INDEX NAME)



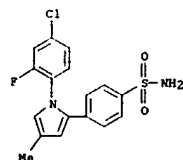
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-31-0 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(4-methyl-1-(2,4,6-trimethylphenyl)-1H-pyrrol-2-yl)]- (9CI) (CA INDEX NAME)



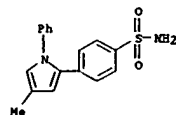
RN 197905-32-1 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(1-(4-chloro-2-fluorophenyl)-4-methyl-1H-pyrrol-2-yl)]- (9CI) (CA INDEX NAME)



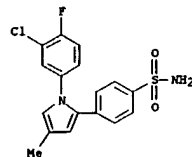
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L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-28-5 CAPLUS  
 CN Benzenesulfonamide, 4-(4-methyl-1-phenyl-1H-pyrrol-2-yl)- (9CI) (CA INDEX NAME)

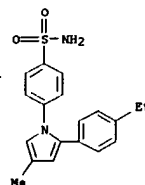


RN 197905-29-6 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(1-(3-chloro-4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl)]- (9CI) (CA INDEX NAME)

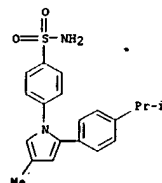


RN 197905-30-9 CAPLUS  
 CN Benzenesulfonamide,  
 4-[(1-(1,3-benzodioxol-5-yl)-4-methyl-1H-pyrrol-2-yl)]- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-[2-(4-ethylphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

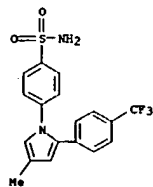


RN 197905-34-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-[4-(1-methylethyl)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

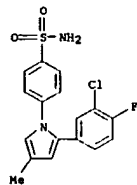


RN 197905-35-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-[4-(trifluoromethyl)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

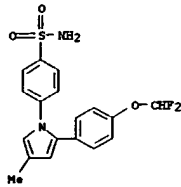


RN 197905-36-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-chloro-4-fluorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

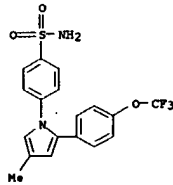


RN 197905-37-6 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-[4-(difluoromethoxy)phenyl]-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

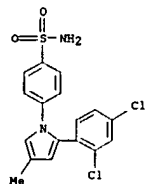


RN 197905-38-7 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-[4-(trifluoromethoxy)phenyl]phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

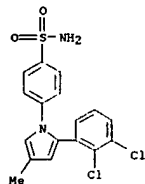


RN 197905-39-8 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

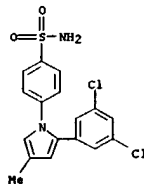


RN 197905-40-1 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,3-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

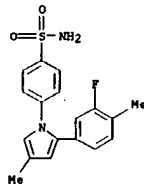


RN 197905-41-2 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,5-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



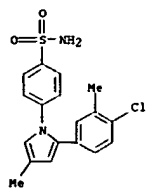
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 CN Benzenesulfonamide,  
 4-[2-(3-fluoro-4-methylphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



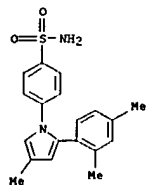
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 CN Benzenesulfonamide,  
 4-[2-(4-chloro-3-methylphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



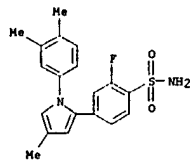
RN 197905-46-7 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



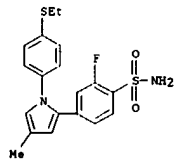
RN 197905-47-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-mercaptophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 229491-85-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[1-(3,4-dimethylphenyl)-4-methyl-1H-pyrrol-2-yl]-2-  
 fluoro- (9CI) (CA INDEX NAME)

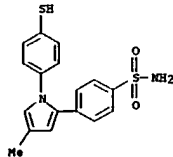


RN 229491-87-6 CAPLUS  
 CN Benzenesulfonamide,  
 4-[1-(4-(ethylthio)phenyl)-4-methyl-1H-pyrrol-2-yl]-2-  
 fluoro- (9CI) (CA INDEX NAME)

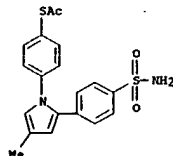


RN 229491-91-2 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-dichlorophenyl)-3-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

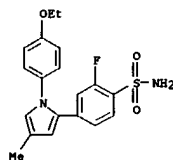
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



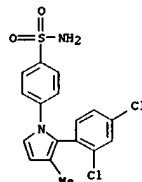
RN 197905-48-9 CAPLUS  
 CN Ethanethioic acid,  
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 yl]phenyl] ester (9CI) (CA INDEX NAME)



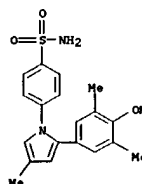
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 CN Benzenesulfonamide, 4-[1-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-2-  
 fluoro- (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

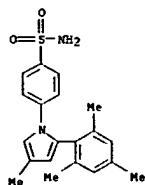


RN 229491-92-3 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(4-methoxy-3,5-dimethylphenyl)-4-methyl-1H-pyrrol-  
 1-yl]- (9CI) (CA INDEX NAME)

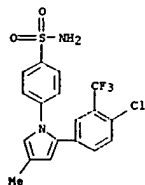


RN 229491-93-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-2-(2,4,6-trimethylphenyl)-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

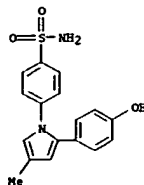


RN 229491-94-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-[4-chloro-3-(trifluoromethyl)phenyl]-4-methyl-1H-  
 pyrrol-1-yl]- (9CI) (CA INDEX NAME)



RN 229491-96-7 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-hydroxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

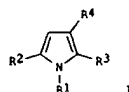
L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



L4 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2001 ACS

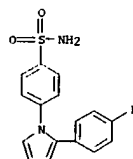
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 DOCUMENT NUMBER: 129:81660  
 TITLE: Preparation of substituted pyrroles for the  
 treatment  
 of inflammation  
 INVENTOR(S): Khanna, Ish K.; Weier, Richard M.; Yu, Yi  
 PATENT ASSIGNEE(S): G.D. Searle & Co., USA; Khanna, Ish K.; Weier,  
 Richard  
 SOURCE: M.; Yu, Yi  
 PCT Int. Appl., 99 pp.  
 DOCUMENT TYPE: CODEN: PIXXD2  
 LANGUAGE: Patent  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9825896	A1	19980618	WO 1997-US22488	19971209
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	GA, GN, ML, MR, NE, SN, TD, TG			
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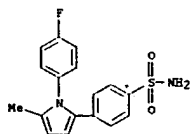
L4 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

AB The title compds. [1; R1, R2 = (un)substituted aryl, cycloalkyl,  
 cycloalkenyl, heterocyclyl; R3 = H, halo, Me, alkoxycarbonylalkyl; R4 =  
 H, halo, alkyl, etc.], useful in treating inflammation, arthritis, pain  
 and  
 fever, were prepd. Thus, reaction of 1-(4-methylsulfonylphenyl)-1,4-  
 pentanedione (prepn. described) with 4-fluoroniline in the presence of  
 p-TsOH in PhMe afforded 79% I [R1 = 4-FC6H4; R2 = 4-(MeSO2)C6H4; R3 =  
 Me;  
 R4 = H] which showed IC50 of < 0.1 .mu.M against COX-2 and IC50 of >  
 100 .mu.M against COX-1. Compds. of particular interest are pyrroles I,  
 wherein at least one of R1 and R2 is Ph substituted with  
 methylsulfonyl or  
 aminosulfonyl.  
 IT 189501-09-5P 209167-35-1P  
 RL: BAC (Biological activity or effector, except adverse); SPN  
 (Synthetic  
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
 (Preparation); USES (Uses)  
 (prepn. of substituted pyrroles for the treatment of inflammation)  
 RN 189501-09-5 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA  
 INDEX NAME)



RN 209167-35-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]-  
 (9CI)  
 (CA INDEX NAME)

L4 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

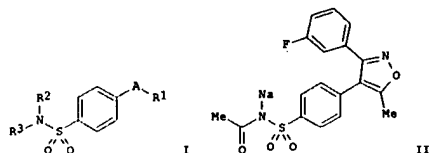


L4 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1997:696748 CAPLUS  
 DOCUMENT NUMBER: 127:358861  
 TITLE: Substituted benzenesulfonamide derivatives as  
 prodrugs of COX-2 inhibitors  
 INVENTOR(S): Talley, John J.; Malecha, James W.; Bertenshaw,  
 Stephen; Graneto, Matthew J.; Carter, Jeffery S.;  
 Li,  
 et al.  
 PATENT ASSIGNEE(S): G.D. Searle & Co., USA; Talley, John J.; Malecha,  
 James W.; Bertenshaw, Stephen; Graneto, Matthew  
 J.;  
 SOURCE: Carter, Jeffery S.; Li, Jinglin  
 PCT Int. Appl., 184 pp.  
 CODEN: PIXK02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

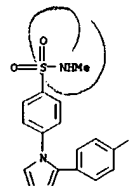
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9738986	A1	19971023	WO 1997-US5497	19970411
DE,	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,		
KZ,	DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR,			
PL,	LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,			
UZ,	PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US,			
GB,	VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
GN,	RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR,			
	GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,			
	ML, MR, NE, SN, TD, TG			
CA 2249009	AA	19971023	CA 1997-2249009	19970411
AU 9727227	A1	19971107	AU 1997-27227	19970411
EP 892791	A1	19990127	EP 1997-921092	19970411
IE, FI	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT,		
CN 1216043	A	19990505	CN 1997-193747	19970411
BR 9708574	A	19990803	BR 1997-8574	19970411
JP 2000509029	T2	20000718	JP 1997-537139	19970411
US 5932598	A	19990803	US 1998-5610	19980112
NO 9804727	A	19981214	NO 1998-4727	19981009
LT 4586	B	19991227	LT 1998-142	19981009
LV 12239	B	19990820	LV 1998-215	19981012

L4 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 PRIORITY APPLN. INFO.: US 1996-631514 19960412  
 WO 1997-US5497 19970411  
 OTHER SOURCE(S): MARPAT 127:358861  
 GI



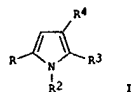
AB Prodrugs of COX-2 inhibitors, of formula I or their pharmaceutically acceptable salts, are useful in treating inflammation and inflammation-related disorders [wherein A = (un)substituted partially unsatd. heterocyclyl, heteroaryl, cycloalkenyl or aryl; R1 = (un)substituted heterocyclyl, cycloalkyl, cycloalkenyl, or aryl; R2 = H, alkoxycarbonylalkyl; R3 = alkyl, carboxyalkyl, acyl, alkoxycarbonyl, heteroarylcabonyl, alkoxycarbonylalkylcarbonyl, alkoxycarbonylcarbonyl, amino acid residue, or alkylcarbonylaminoalkylcarbonyl; provided A .noteq. tetrazolium or pyridinium, and A .noteq. indanone when R3 = alkyl or carboxyalkyl]. Preps. of over 80 compds. are described. For instance, 4-[5-methyl-3-(3-fluorophenyl)isoxazol-4-yl]benzenesulfonamide underwent N-acetylation with Ac2O, Et3N, and DMAP in THF (81%), and salification with NaOH in EtOH (97%), to give title salt II. At 30 mg/kg orally in the rat paw edema test, II gave 65% inhibition. Analgesic activity in rats, and a metab. assay with 59 liver fractions, are also described for 3 selected compds.  
 IT 189501-10-8P  
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PZEP (Preparation); USES (Uses)  
 (prepn. of substituted benzenesulfonamide derivs. as prodrugs of COX-2 inhibitors)  
 RN 189501-10-8 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]-N-methyl- (9CI)

L4 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 (CA INDEX NAME)



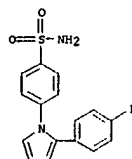
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1997:67826 CAPLUS  
 DOCUMENT NUMBER: 127:331392  
 TITLE: Preparation of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors  
 INVENTOR(S): Kimura, Tomio; Nozuchi, Yasuo; Nakao, Akira; Suzuki, Keisuke; Ushiyama, Shigeru; Kawara, Akihiro  
 Miyamoto, Masaaki  
 PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 140 pp.  
 CODEN: EPXKDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 799823	A1	19971008	EP 1997-302245	19970402
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PT, IE, FI				
US 5908858	A	19990601	US 1997-824775	19970326
AU 9716653	A1	19971009	AU 1997-16653	19970402
AU 710380	B2	19990916		
CA 2201812	AA	19971005	CA 1997-2201812	19970404
NO 9701564	A	19971006	NO 1997-1564	19970404
JP 09323971	A2	19971216	JP 1997-86889	19970404
JP 3034819	B2	20000417		
RU 2125044	C1	19990120	RU 1997-105191	19970404
CN 1168372	A	19971224	CN 1997-113404	19970405
PRIORITY APPL. INFO.: JP 1996-83562 19960405				
OTHER SOURCE(S): MARPAT 127:331392				
GI				

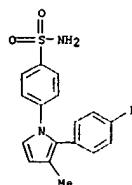


AB Title compds. [e.g., I; R = ZSO<sub>2</sub>R<sup>1</sup>; R<sup>1</sup> = alkyl or MHRa; R<sub>a</sub> = H, alkanoyl, alkoxy-carbonyl, etc.; R<sup>2</sup> = (un)substituted Ph; R<sup>3</sup> = H, halo, (un)substituted alkyl; R<sup>4</sup> = H, (un)substituted alkyl, acyl(alkyl), etc.; Z

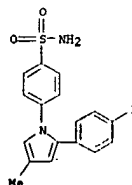
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-26-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-3-methyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)



RN 197904-27-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)



L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 = (un)substituted 1,4-phenylene] were prepd. Thus, 4-(MeO)C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> was condensed with 4-(OHC)C<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>Me and the product treated with Me<sub>3</sub>SiCN/ZnCl<sub>2</sub> to give 4-(MeO)C<sub>6</sub>H<sub>4</sub>NHCH(CN)C<sub>6</sub>H<sub>4</sub>(SO<sub>2</sub>Me)-4 which was cyclocondensed with CH<sub>2</sub>:CHCHO to give I [R = C<sub>6</sub>H<sub>4</sub>(SO<sub>2</sub>Me)-4, R<sub>2</sub> = C<sub>6</sub>H<sub>4</sub>(OMe)-4, R<sub>3</sub> = R<sub>4</sub> = H].

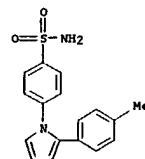
BJ. Data for biol. activity of title compds. were given.

IT 189501-09-5P 197904-26-0P 197904-27-1P  
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 197904-31-7P 197904-32-8P 197904-52-2P  
 197904-68-0P 197904-69-1P 197904-74-8P  
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 197904-78-2P 197904-79-3P 197904-80-6P  
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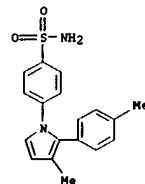
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors)  
 RN 189501-09-5 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197904-28-2 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methylphenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

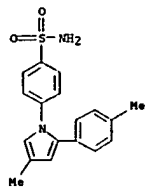


RN 197904-29-3 CAPLUS  
 CN Benzenesulfonamide, 4-[3-methyl-2-(4-methylphenyl)-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

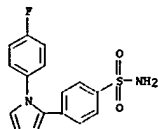


RN 197904-30-6 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-2-(4-methylphenyl)-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

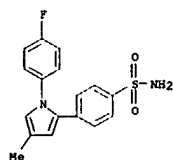
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



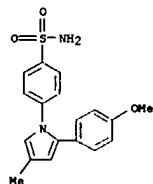
RN 197904-31-7 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



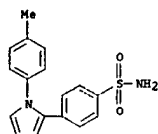
RN 197904-32-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)



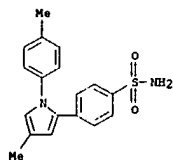
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-74-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methylphenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



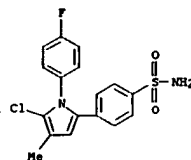
RN 197904-75-9 CAPLUS  
 CN Benzenesulfonamide, 4-[4-methyl-1-(4-methylphenyl)-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)



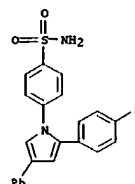
RN 197904-76-0 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197904-52-2 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

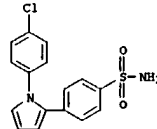


RN 197904-68-0 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-4-phenyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

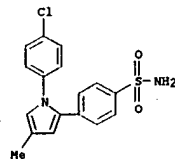


RN 197904-69-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

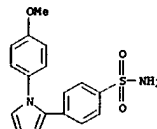
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-77-1 CAPLUS  
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 (CA INDEX NAME)

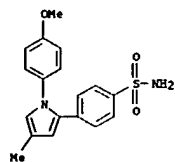


RN 197904-78-2 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

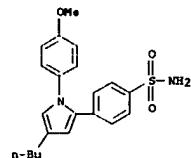


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 CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI)  
 (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

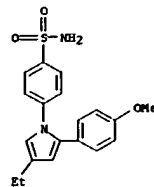


RN 197904-80-6 CAPLUS  
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 (CA INDEX NAME)

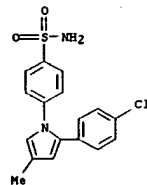


RN 197904-81-7 CAPLUS  
 CN Benzenesulfonamide, 4-[(4-ethyl-2-(4-methoxyphenyl)-1H-pyrrol-1-yl)-  
 (9CI)  
 (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

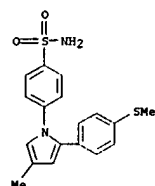


RN 197904-82-8 CAPLUS  
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 (9CI)  
 (CA INDEX NAME)

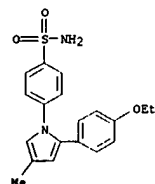


RN 197904-83-9 CAPLUS  
 CN Benzenesulfonamide, 4-[(4-methyl-2-[(4-methylthio)phenyl]-1H-pyrrol-1-yl)-  
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 (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

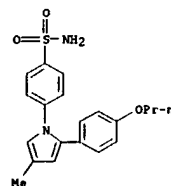


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 (CA INDEX NAME)

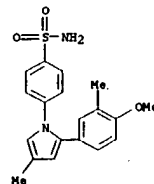


RN 197904-85-1 CAPLUS  
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 (9CI)  
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L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

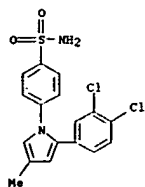


RN 197904-86-2 CAPLUS  
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 (CA INDEX NAME)

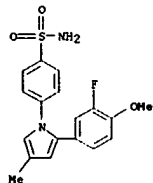


RN 197904-87-3 CAPLUS  
 CN Benzenesulfonamide, 4-[(2-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl)-  
 (9CI)  
 (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

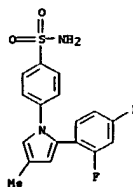


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 CN Benzenesulfonamide,  
 4-[2-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

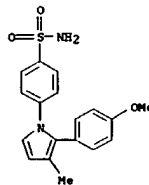


RN 197904-89-5 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(2,4-difluorophenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

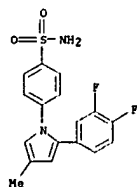


RN 197904-90-8 CAPLUS  
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 (9CI) (CA INDEX NAME)

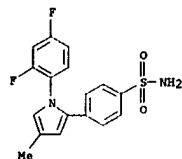


RN 197904-91-9 CAPLUS  
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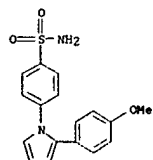
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197904-92-0 CAPLUS  
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 (9CI) (CA INDEX NAME)

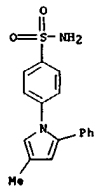


RN 197904-93-1 CAPLUS  
 CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-1H-pyrrol-1-yl]- (9CI)  
 (CA INDEX NAME)

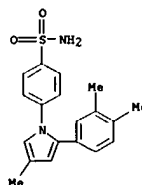


RN 197904-94-2 CAPLUS

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-(4-methyl-2-phenyl-1H-pyrrol-1-yl)- (9CI) (CA INDEX NAME)

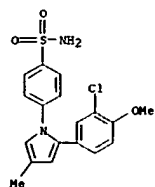


RN 197904-95-3 CAPLUS  
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 (9CI) (CA INDEX NAME)

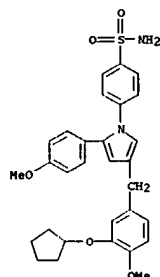


RN 197904-96-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

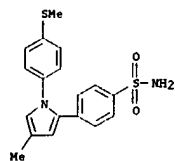


RN 197904-98-6 CAPLUS  
 CN Benzenesulfonamide,  
 4-[[4-[[3-(cyclopentylloxy)-4-methoxyphenyl]methyl]-2-(4-  
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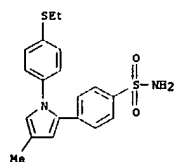


RN 197904-99-7 CAPLUS  
 CN Acetamide, N-[[4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-  
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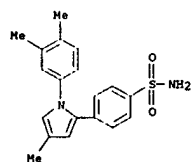
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-02-5 CAPLUS  
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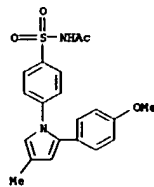


RN 197905-03-6 CAPLUS  
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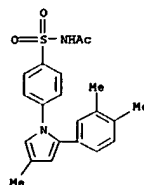


RN 197905-05-8 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-(3,5-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

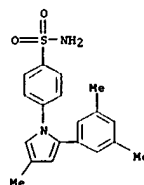


RN 197905-00-3 CAPLUS  
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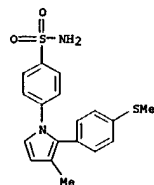


RN 197905-01-4 CAPLUS  
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 (9CI) (CA INDEX NAME)

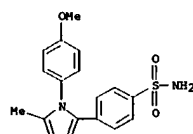
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-06-9 CAPLUS  
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 4-[3-methyl-2-(4-(methylthio)phenyl)-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)



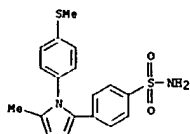
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 (9CI) (CA INDEX NAME)



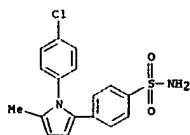


L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

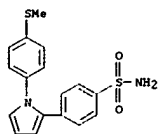
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 4-[5-methyl-1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-09-2 CAPLUS  
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 (9CI) (CA INDEX NAME)

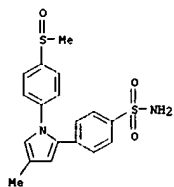


RN 197905-10-5 CAPLUS  
 CN Benzenesulfonamide, 4-[1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

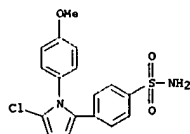


L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-14-9 CAPLUS  
 CN Benzenesulfonamide,  
 4-[4-methyl-1-[4-(methylsulfinyl)phenyl]-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



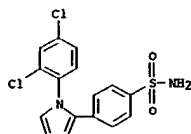
RN 197905-15-0 CAPLUS  
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 (9CI) (CA INDEX NAME)



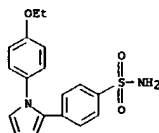
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L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-11-6 CAPLUS  
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 (CA INDEX NAME)

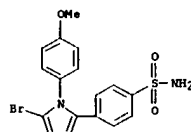


RN 197905-12-7 CAPLUS  
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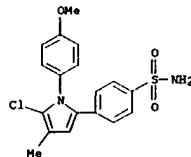


RN 197905-13-8 CAPLUS  
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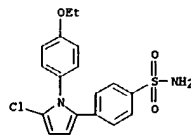
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
 CN Benzenesulfonamide, 4-[5-bromo-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)



RN 197905-17-2 CAPLUS  
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 4-[5-chloro-1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

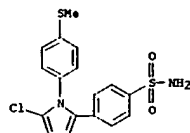


RN 197905-18-3 CAPLUS  
 CN Benzenesulfonamide, 4-[5-chloro-1-(4-ethoxyphenyl)-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

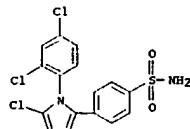


RN 197905-20-7 CAPLUS  
 CN Benzenesulfonamide,  
 4-[5-chloro-1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]-

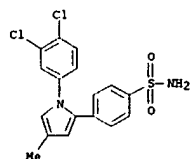
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(9CI) (CA INDEX NAME)



RN 197905-21-8 CAPLUS  
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4-[5-chloro-1-(2,4-dichlorophenyl)-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

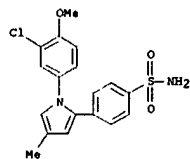


RN 197905-23-0 CAPLUS  
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4-[1-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

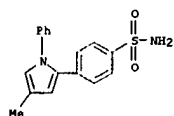


RN 197905-24-1 CAPLUS

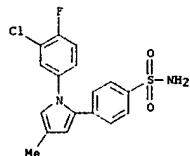
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-28-5 CAPLUS  
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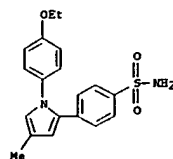


RN 197905-29-6 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(3-chloro-4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

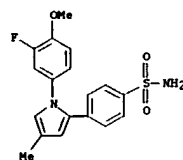


RN 197905-30-9 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(1,3-benzodioxol-5-yl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
CN Benzenesulfonamide, 4-[1-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

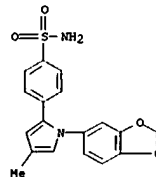


RN 197905-26-3 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

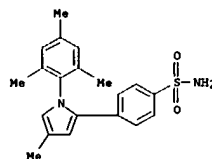


RN 197905-27-4 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

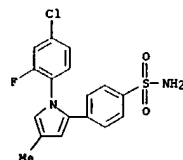
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-31-0 CAPLUS  
CN Benzenesulfonamide,  
4-[4-methyl-1-(2,4,6-trimethylphenyl)-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

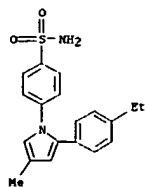


RN 197905-32-1 CAPLUS  
CN Benzenesulfonamide,  
4-[1-(4-chloro-2-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-  
(9CI) (CA INDEX NAME)

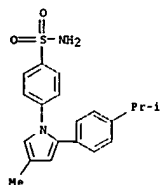


RN 197905-33-2 CAPLUS  
CN Benzenesulfonamide, 4-[2-(4-ethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
(9CI)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
(CA INDEX NAME)

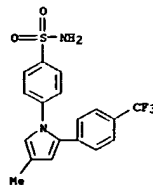


RN 197905-34-3 CAPLUS  
CN Benzenesulfonamide,  
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yl]- (9CI) (CA INDEX NAME)

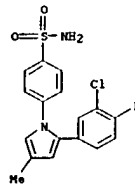


RN 197905-35-4 CAPLUS  
CN Benzenesulfonamide,  
4-[4-methyl-2-[4-(trifluoromethyl)phenyl]-1H-pyrrol-1-  
yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

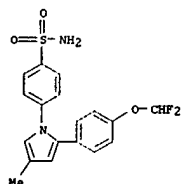


RN 197905-36-5 CAPLUS  
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4-[2-[3-chloro-4-fluorophenyl]-4-methyl-1H-pyrrol-1-  
yl]- (9CI) (CA INDEX NAME)

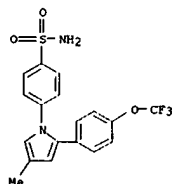


RN 197905-37-6 CAPLUS  
CN Benzenesulfonamide,  
4-[2-[4-(difluoromethoxy)phenyl]-4-methyl-1H-pyrrol-1-  
yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

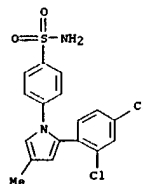


RN 197905-38-7 CAPLUS  
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yl]- (9CI) (CA INDEX NAME)

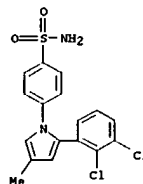


RN 197905-39-8 CAPLUS  
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(9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

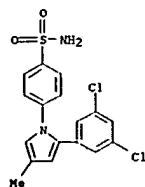


RN 197905-40-1 CAPLUS  
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(9CI) (CA INDEX NAME)

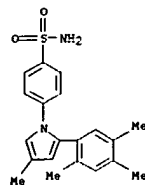


RN 197905-41-2 CAPLUS  
CN Benzenesulfonamide,  
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(9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

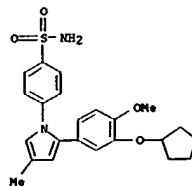


RN 197905-42-3 CAPLUS  
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 (9CI) (CA INDEX NAME)

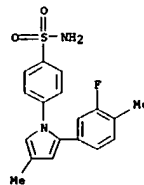


RN 197905-43-4 CAPLUS  
 CN Benzenesulfonamide,  
 4-[2-{3-(cyclopentylloxy)-4-methoxyphenyl}-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

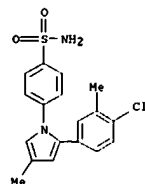


RN 197905-44-5 CAPLUS  
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 4-[2-(3-fluoro-4-methylphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

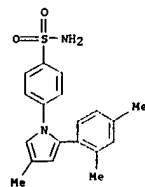


RN 197905-45-6 CAPLUS  
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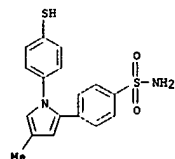
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



RN 197905-46-7 CAPLUS  
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 4-[2-(2,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl]-  
 (9CI) (CA INDEX NAME)

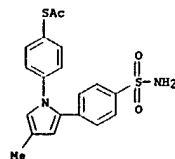


RN 197905-47-8 CAPLUS  
 CN Benzenesulfonamide, 4-[1-(4-mercaptophenyl)-4-methyl-1H-pyrrol-2-yl]-  
 (9CI) (CA INDEX NAME)

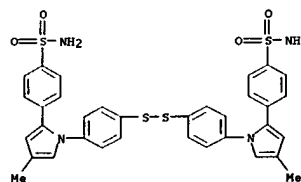


L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

RN 197905-48-9 CAPLUS  
 CN Ethanethioic acid,  
 S-[4-[2-[4-(aminosulfonyl)phenyl]-4-methyl-1H-pyrrol-1-yl]phenyl] ester (9CI) (CA INDEX NAME)



IT 197906-24-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors)  
 RN 197906-24-4 CAPLUS  
 CN Benzenesulfonamide,  
 4,4'-[dithiobis[4,1-phenylene(4-methyl-1H-pyrrole-1,2-diyl)]]bis- (9CI) (CA INDEX NAME)



L4 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1997:309988 CAPLUS

DOCUMENT NUMBER: 126:338393

TITLE: 1,2-Diarylpyrroles as potent and selective

inhibitors

AUTHOR(S): of cyclooxygenase-2  
Khanna, Ish K.; Weier, Richard M.; Yu, YiCollins, Paul W.; Miyashiro, Julie M.; Koboldt, Carol M.;  
Veenhuizen, Amy W.; Currie, Jerry L.; Seibert,Karen; Isakson, Peter C.  
Discovery Medicinal Chemistry and InflammatoryCORPORATE SOURCE: Disease  
Research, Searle Research and Development,

Skokie, IL, 60077, USA

SOURCE: J. Med. Chem. (1997), 40(11), 1619-1633

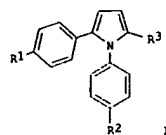
CODEN: JMKMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

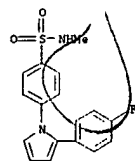
LANGUAGE: English

GI

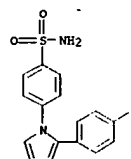


AB Series of 1,2-diarylpyrroles has been synthesized and found to contain very potent and selective inhibitors of the human cyclooxygenase-2 (COX-2) enzyme. The paper describes short and practical syntheses of the target mols. utilizing the Paal-Knorr reaction. Electrophilic substitution on 1 proceeds in a regioselective fashion, and the method was used to generate a no. of tetrasubstituted pyrroles. Detailed SAR on the series has been studied by modifications of the aryl rings and the substituents in the pyrrole ring. Diarylpyrrole I (R1 = MeO2S, R2 = F, R3 = Me) is a very

L4 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

L4 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)  
potent (COX-2, IC50 = 60 nM) and selective (COX-1/COX-2 = >1700)  
inhibitorwhereas the isomeric I (R1 = F, R2 = MeO2S, R3 = Me) is completely  
inactive against COX-2. Modifications of the substituents on the  
fluorophenyl ring in I yields very potent inhibitors of COX-2 (IC50 =  
40-80 nM) with excellent selectivity (1200 to >2500) vs. COX-1. Ananalog  
contg. a sulfonamide group is an excellent inhibitor of COX-2 with anIC50  
of 14 nM. Tetrasubstituted pyrroles contg. groups such as COCF3,  
SO2CF3,or CH2OAr at position 3 in the pyrrole ring give excellent inhibitors  
(COX-2, IC50 = 30-120 nM). In vivo testing in thecarrageenan-induced paw  
edema model in the rat establishes that the 1,2-diarylpyrroles areorally  
active antiinflammatory agents. Compd. I (R1 = F, R2 = MeO2S, R3 =H) is  
the most potent inhibitor of edema with an ED50 of 4.7 mg.IT 189501-09-5P 189501-10-8P  
R1: BAC (Biological activity or effector, except adverse); PRP  
(Properties); SPN (Synthetic preparation); BIOL (Biological study);PREP  
(Preparation)(synthesis and structure of 1,2-diarylpyrroles as cyclooxygenase-2  
inhibitors and orally active antiinflammatory agents)

RN 189501-09-5 CAPLUS

CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA  
INDEX NAME)RN 189501-10-8 CAPLUS  
CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]-N-methyl-  
(9CI)  
(CA INDEX NAME)

L4 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1970:100495 CAPLUS

DOCUMENT NUMBER: 72:100495

TITLE: 1-Phenylpyrroles

INVENTOR(S): Pons, Andre L.; Robba, Max F.; Marcy, Rene H.;

Duval, Denise J. C.

PATENT ASSIGNEE(S): Innothra

SOURCE: Ger. Offen., 94 pp.

CODEN: GWXBXK

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1938904	A	19700205	DE 1969-1938904	19690731
FR 7649	M	19700202	FR 1968-161664	19680802
FR 2054474	A6	19710423	FR 1969-23303	19690709
FR 2054474	B2	19730608		
GB 1263940	A	19720216	GB 1969-1263940	19690731
PRIORITY APPLN. INFO.:			FR 1968-161664	19680802
			FR 1969-23303	19690709

GI For diagram(s), see printed CA issue.

AB 1-Phenylpyrroles (I) are prepd. and investigated as pain killers and  
inflammation inhibitors for the treatment of arthritis, lumbago, and  
sciatica. Thus, 33 g .gamma.-oxovalerophenone and 25 g m-aminobenzoicacid  
was heated at 195.degree. to yield 95% I (R = m-CO2H, R1 = Me, R2 =Ph),  
m. 197.degree. (EtOH), LD50 (mg/kg in mice) i.v. 113, i.p. 430, and

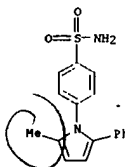
digestive 1950. Ninety I were prepd. and the LD50 detd. for 20.

IT 26165-71-9P

R1: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of)

RN 26165-71-9 CAPLUS

CN Benzenesulfonamide, p-(2-methyl-5-phenylpyrrol-1-yl)- (8CI) (CA INDEX  
NAME)

L4 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1969:68134 CAPLUS

DOCUMENT NUMBER: 70:68134

TITLE: Pyrrolopropionic acid

INVENTOR(S): Chinn, Leland J.

PATENT ASSIGNEE(S): Searle, G. D., and Co.

SOURCE: U.S., 2 pp.

CODEN: USOXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3427305	A	19690211	US 1966-591120	19661101

AB 3-[1-(R-Substituted)-2-(R1-substituted)-5-pyrrolyl]propionic acids (I),

where R = p-sulfamoylphenyl or -benzyl and R1 = substituted phenyl.

were

prepd. by condensing an appropriate oxo acid with an appropriate

benzenesulfonamide. Yields were not stated. Thus, a mixt. of

p-FC6H4CO(CH2)2CO(CH2)2CO2H 300, p-H2HC6H4SO2NH2 200, p-MeC6H4SO3H

25, and

PhMe 8700 parts is refluxed 24 hrs. with removal of H2O and worked

up to give I (R = p-H2NO2-SC6H4, R1 = p-FC6H4), m. 229.5-32.5.degree.

(EtOAc).

Similarly prepd. were the following I (R, R1, and m.p. given):

p-H2NO2-SC6H4CH2, p-FC6H4, 169.5-71.5.degree. (EtOAc-Et2O);

p-H2NO2-SC6H4,

p-ClC6H4, 256.5-9.5.degree. (Me2CO-EtOAc); p-H2NO2SC6H4CH2,

m-BrC6H4, -; and p-H2NO2SC6H4, p-MeOC6H4, 176-80.5.degree. (EtOAc-hexane). The

comps.

inhibit hemoglobin hydrolysis, and have antiinflammatory,

antiedemic, and

antibacterial properties.

IT 21766-08-5P 21766-10-9P 21766-12-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of)

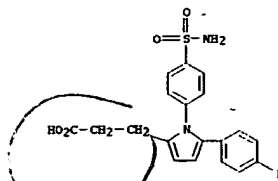
RN 21766-08-5 CAPLUS

CN Pyrrole-2-propionic acid, 5-(p-fluorophenyl)-1-(p-sulfamoylphenyl)-

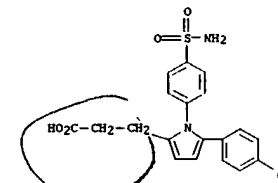
(8CI)

(CA INDEX NAME)

L4 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)

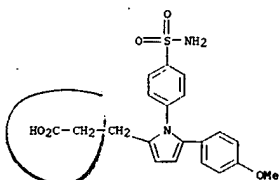


RN 21766-10-9 CAPLUS  
CN Pyrrole-2-propionic acid, 5-(p-chlorophenyl)-1-(p-sulfamoylphenyl)-  
(8CI)  
(CA INDEX NAME)



RN 21766-12-1 CAPLUS  
CN Pyrrole-2-propionic acid, 5-(p-methoxyphenyl)-1-(p-sulfamoylphenyl)-  
(8CI)  
(CA INDEX NAME)

L4 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2001 ACS (Continued)



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---Logging off of STN---

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Executing the logoff script...

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	66.75	204.26
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-8.82	-8.82

STN INTERNATIONAL LOGOFF AT 17:51:44 ON 17 APR 2001